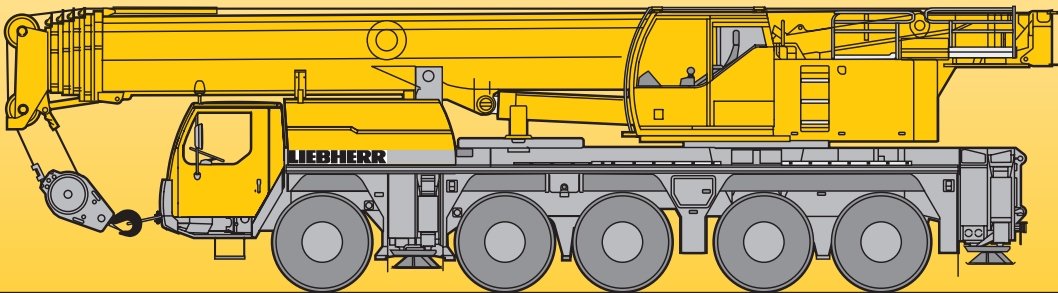




Mobile Crane Grue mobile

LTM 1130-5.1

Technical Data Caractéristiques techniques



LIEBHERR



Lifting capacities on telescopic boom
Forces de levage à la flèche télescopique

		42 – 197 ft						360°				92600 lbs		85%																	
		42 ft		56 ft		70 ft		84 ft		99 ft		113 ft		127 ft		141 ft		156 ft		166 ft		170 ft		180 ft		184 ft		197 ft			
ft		*																												ft	
9			242	182																										9	
10	305	238	182	182	164																									10	
12	199	199	182	180	164	130																								12	
14	182	182	175	168	160	130																								14	
16	168	168	161	156	151	130	105																							16	
18	157	157	151	145	140	128	104	76																						18	
20	146	146	140	135	130	125	102	76	57.5																					20	
23	132	132	127	122	118	117	98.5	76	57.5																					23	
26	119	119	117	112	108	107	95.5	75	57.5	47.5																				26	
29	105	105	108	104	100	98	92	73	57.5	46.9	35.2	38.6																		29	
32	88	88	99	96	93.5	91	87.5	70	56.9	46.1	35.2	38.6	31	31.5																32	
35			90.5	89.5	87.5	84.5	82	67	55.6	45.4	34.6	38.5	31	31.5	25.5															35	
38			82.5	82.5	82	79	76.5	63.5	53.6	44.5	33.6	38	30.8	31.4	25.5															38	
44			67	70.5	70.5	69.5	67	57.4	48.9	42	31.3	36.2	29.6	30.4	25.4															44	
50				60.5	60.5	59.9	57.8	51.7	44.8	38.8	29.1	34.2	28.1	29.2	24.9															50	
56				52.2	52.3	51.6	49.9	46.5	40.9	35.9	27	31.9	26.4	27.7	24.1															56	
62					45.6	44.8	43.5	42.6	37.4	33.1	25	29.7	24.8	26.1	23.1															62	
68					40.1	39.3	38.4	38.9	34.4	30.5	23.2	27.7	23.2	24.6	21.8															68	
74						34.7	34.8	34.7	31.3	28.2	21.4	25.7	21.7	23.2	20.5															74	
80						31	32.1	30.9	28.3	26.2	19.9	23.9	20.3	21.9	19.4															80	
86							28.8	27.6	26.4	24.1	18.5	22.3	19.1	20.5	18.3															86	
92							26	24.8	24.2	22	17.1	20.7	17.9	19.3	17															92	
98							23.6	22.3	22.8	20.3	16	19.4	16.8	18.1	16															98	
104							18.2	20.2	20.7	19	15	18.2	15.8	16.9	15															104	
110								19	18.7	17.9	13.9	16.6	14.9	16	13.9															110	
116								16.7	17	16.8	13	15.4	14	15	13.1															116	
122									15.5	15.5	12.2	14.6	13.2	13.9	12.2															122	
128									14.2	14.1	11.4	13.6	12.5	12.7	11.4															128	
134											12.8	10.7	12.4	11.8	11.4	10.7														134	
140											11.7	10.1	11.3	11.1	10.3	9.9														140	
146												9.5	10.3	10.3	9.2	9.1														146	
152												8.7	9.5	9.5	8.4	8.3														152	
158															8.8	7.7	7.5													158	
164															8.1	6.9	6.8													164	
170															6.5	6.2	6.2													170	
176																5.5														176	

* over rear · en arrière

TAB 1825331 / 1825351



Lifting capacities on telescopic boom
Forces de levage à la flèche télescopique

42 – 197 ft  85%															
 ft	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	 ft
9	244	182													9
10	240	182	182	164											10
12	199	182	180	164	130										12
14	182	175	168	160	130										14
16	168	161	156	151	130	105									16
18	157	151	145	140	128	104	76								18
20	146	140	135	130	125	102	76	57.5							20
23	131	127	122	118	117	98.5	76	57.5							23
26	115	117	112	108	107	95.5	75	57.5	47.5						26
29	102	104	104	100	96.5	90	73	57.5	46.9	35.2	38.6				29
32	87	92	92.5	90.5	86	81	70	56.9	46.1	35.2	38.6	31	31.5		32
35		82.5	84	81	77	72.5	67	55.6	45.4	34.6	38.5	31	31.5	25.5	35
38		74	76	73	69	65	61.5	53.6	44.5	33.6	38	30.8	31.4	25.5	38
44		62	63	60.5	57.4	54.1	53.2	48.3	42	31.3	36.2	29.6	30.4	25.4	44
50			52.7	51.1	48.4	47.5	45.8	42.6	38.8	29.1	34.2	28.1	29.2	24.9	50
56			44.4	43.8	41.4	41.9	39.2	37	34.5	27	31.9	26.4	27.7	24.1	56
62				37.8	36.9	36.4	33.9	32.8	30.6	25	29.2	24.8	26.1	23.1	62
68				32.6	33.6	32	30	29.7	27.9	23.2	26.2	23.2	24.6	21.8	68
74					29.8	28.3	27.4	26.2	25.3	21.4	23.6	21.7	22.9	20.5	74
80					26.3	25.2	25.2	23.4	23	19.9	21.9	20.3	20.4	19.3	80
86						22.5	22.6	21.3	20.5	18.5	19.6	19	18.1	17.8	86
92						20.2	20.3	19.8	18.4	17.1	17.6	17.4	16.1	15.8	92
98						18.9	18.1	17.8	16.8	16	15.7	15.6	14.3	14	98
104						17.3	16.3	16	15.1	14.9	14.2	14.1	12.7	12.5	104
110							14.9	14.4	13.5	13.5	12.7	12.7	11.4	11.1	110
116							13.5	13	12.1	12.1	11.3	11.3	10.1	9.9	116
122								11.7	10.9	10.8	10	10.1	8.9	8.8	122
128								10.6	9.7	9.7	9	9	7.9	7.8	128
134									8.8	8.7	8.1	8.1	7	6.9	134
140									7.9	7.9	7.2	7.2	6.2	6.1	140
146										7.1	6.4	6.5	5.4	5.3	146
152										6.3	5.6	5.7	4.6	4.6	152
158												5	3.8	3.8	158
164												4.4	3.2	3.2	164
170												3.8	2.6	2.6	170

TAB 1825353



Lifting capacities on telescopic boom
Forces de levage à la flèche télescopique

 42 – 197 ft				 360°		 49800 lbs		85%															
 ft	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	 ft								
9	244	182													9								
10	240	182	182	164											10								
12	199	182	180	164	130										12								
14	182	175	168	160	130										14								
16	168	161	156	151	130	105									16								
18	157	151	145	140	128	104	76								18								
20	146	140	135	130	125	102	76	57.5							20								
23	126	127	122	118	115	98.5	76	57.5							23								
26	110	112	108	105	98.5	91.5	75	57.5	47.5						26								
29	96	98	95.5	91	85.5	80	73	57.5	46.9	35.2	38.6				29								
32	84.5	85.5	84	80	75.5	71	67.5	56.9	46.1	35.2	38.6	31	31.5		32								
35		76.5	74.5	71	67.5	63.5	62	55.3	45.4	34.6	38.5	31	31.5	25.5	35								
38		68.5	66.5	64	60	57.8	56.2	51.3	44.5	33.6	38	30.8	31.4	25.5	38								
44		54.9	54.7	52.4	49.7	49.1	46.4	43.2	39.9	31.3	36.2	29.6	30.4	25.4	44								
50			45.4	43.7	43.1	41.7	39.4	37.7	35.2	29.1	33.1	28.1	29.2	24.9	50								
56			38	37.1	37.6	35.6	34.6	32.9	31.5	27	29.6	26.4	27.6	24.1	56								
62				32.6	32.6	30.7	30.5	28.9	27.9	25	26.4	24.8	24.9	23	62								
68				29.1	28.6	27.2	26.7	25.9	24.4	23.2	23.3	22.8	21.6	21.1	68								
74					25.2	24.8	23.5	22.8	21.6	21.1	20.4	20.2	18.8	18.4	74								
80					22	22.3	20.9	20.2	19.1	18.9	17.9	17.7	16.4	16.1	80								
86						19.7	18.9	18	16.9	16.7	15.8	15.7	14.3	14	86								
92						17.5	16.7	16.1	15	14.8	14	13.9	12.5	12.3	92								
98						15.6	14.9	14.3	13.4	13.2	12.4	12.3	11	10.7	98								
104						14	13.2	12.7	11.9	11.8	11	10.9	9.6	9.4	104								
110							11.8	11.3	10.4	10.4	9.6	9.6	8.4	8.2	110								
116							10.7	10	9.2	9.2	8.5	8.5	7.3	7.1	116								
122								9	8.2	8.2	7.5	7.5	6.3	6.1	122								
128								8.1	7.3	7.3	6.6	6.6	5.4	5.2	128								
134									6.5	6.5	5.8	5.8	4.6	4.4	134								
140									5.6	5.7	4.9	5.1	3.9	3.7	140								
146										4.9	4.2	4.3	3.1	3.1	146								
152										4.2	3.5	3.6			152								
158												3			158								
164												2.4			164								

TAB 182535

TAB 1825355

 42 – 197 ft				 360°		 28000 lbs		85%															
 ft	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	 ft								
9	221														9								
10	219	182	181	154											10								
12	196	182	179	153	126										12								
14	175	175	168	148	125										14								
16	157	158	154	143	122	96									16								
18	141	142	141	131	117	94.5	72								18								
20	125	127	127	117	111	92.5	72	55.1							20								
23	106	108	103	99	92	85	70	55.1							23								
26	90	91.5	89	84	78	72	67.5	54.1	43.2						26								
29	74	77.5	76	72	67	62.5	60.5	53	42.7	32	35.3				29								
32	61.5	65.5	65.5	62.5	58.2	56.9	53.4	49.1	42	32	35.3	28.2	28.7		32								
35		55.3	56.8	54.7	52.1	51.1	47.3	44.2	40	31.4	35.1	28.2	28.7	23.2	35								
38		47.5	49.3	48.4	47.8	45.6	42.7	40.6	37.6	30.5	34.5	28	28.5	23.2	38								
44		36.7	38.5	39.6	39.6	37.2	36.3	34.3	32.6	28.5	30.9	26.9	27.6	23.1	44								
50			30.8	32.3	32.2	31.8	30.6	29.2	27.8	26.4	26.3	24.9	24.3	22.3	50								
56			25.2	26.6	26.6	27.1	26	25	23.6	23.2	22.2	21.8	20.3	19.8	56								
62				22.3	22.4	22.7	22.3	21.4	20.1	19.8	18.8	18.5	17.1	16.7	62								
68				18.9	19	19.3	19	18.4	17.2	17	16	15.8	14.4	14.1	68								
74					16.3	16.6	16.2	15.9	14.8	14.6	13.7	13.6	12.2	11.9	74								
80					14.1	14.4	14	13.7	12.8	12.6	11.7	11.6	10.3	10	80								
86						12.5	12	11.7	10.9	10.8	10	9.9	8.6	8.4	86								
92						10.8	10.3	9.9	9.2	9.2	8.5	8.5	7.2	7	92								
98						9.4	8.9	8.6	8	7.9	7.3	7.2	5.9	5.8	98								
104						8.2	7.7	7.4	6.8	6.8	6.2	6.1	4.9	4.7	104								
110							6.6	6.3	5.7	5.8	5.1	5.1	3.9	3.7	110								
116							5.7	5.4	4.8	4.9	4.2	4.3	3		116								
122								4.6	3.9	4	3.3	3.5			122								
128								3.8	3.2	3.2					128								

TAB 1825357

TAB 1825357



Lifting capacities on telescopic boom
Forces de levage à la flèche télescopique

																								
	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft										
ft															ft									
9	243	182													9									
10	239	182	182	164											10									
12	199	182	180	164	130										12									
14	182	175	168	160	130										14									
16	168	161	156	150	130	105									16									
18	153	147	139	133	120	103	76								18									
20	136	132	122	116	107	98	76	57.5							20									
23	112	106	102	95.5	88.5	82	76	57.5							23									
26	92.5	89.5	85.5	80.5	74.5	71	67	57.5	47.5						26									
29	77.5	75.5	72.5	68.5	64.5	62.5	58.1	53.3	46.9	35.2	38.6				29									
32	65.5	64.5	62.5	59.4	58.1	55.1	51.7	49.1	45	35.2	38.6	31	31.5		32									
35		56.1	54.7	52.8	51.9	48.7	47	44.1	40.8	34.6	37.2	31	31.5	25.5	35									
38		49.4	48.4	47.9	46.2	43.9	42.5	40.2	37.5	33.6	35.4	30.8	31.4	25.5	38									
44		39.1	39.3	39.4	37.7	36.8	35.1	33.6	31.7	30.3	29.9	28.4	27.4	25.2	44									
50			32.5	32.6	31.4	30.8	29.3	28	26.4	25.9	24.8	24.4	22.8	22.3	50									
56			26.9	27.5	26.5	26.1	24.7	23.6	22.2	21.9	20.8	20.5	19	18.5	56									
62				23.4	22.6	22.3	21.1	20.1	18.8	18.6	17.6	17.3	15.9	15.5	62									
68				19.9	19.5	19.3	18.1	17.2	16.1	15.9	14.9	14.7	13.3	13	68									
74					16.9	16.8	15.7	14.9	13.8	13.6	12.7	12.5	11.2	10.9	74									
80					14.5	14.6	13.6	12.8	11.8	11.7	10.8	10.7	9.3	9.1	80									
86						12.6	11.9	11.1	10.2	10	9.1	9.1	7.7	7.5	86									
92						10.9	10.2	9.6	8.7	8.6	7.7	7.7	6.4	6.2	92									
98						9.5	8.8	8.3	7.4	7.3	6.5	6.5	5.2	5	98									
104						8.4	7.7	7.2	6.3	6.2	5.4	5.4	4.1	4	104									
110							6.7	6.3	5.4	5.3	4.5	4.5	3.2	3	110									
116							5.7	5.3	4.5	4.4	3.6	3.6			116									
122								4.5	3.7	3.6	2.8				122									
128								3.7	2.9	2.9					128									

TAB 1825358

																							
	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft									
9	242	182													9								
10	238	182	182	164											10								
12	199	182	180	164	130										12								
14	182	175	168	160	130										14								
16	168	161	156	144	130	105									16								
18	151	143	136	126	117	100	76								18								
20	133	124	116	109	101	92.5	76	57.5							20								
23	105	99.5	96	90	82.5	77	73.5	57.5							23								
26	86	83.5	80	75	70.5	67.5	62.5	57	47.5						26								
29	71.5	70	67.5	64	62.5	58.6	54.9	52	46.3	35.2	38.6				29								
32	60.5	59.9	58.2	56.1	54.7	51.2	49.3	46	42.2	35.2	38.4	31	31.5		32								
35		51.9	51.1	50.3	48.2	46.1	44.1	41.7	38.8	34.6	36.7	31	31.5	25.5	35								
38		45.6	45.3	45	42.9	41.7	39.6	37.8	35.5	33.6	33.6	30.8	30.3	25.5	38								
44		36	36.4	36.5	35	34.3	32.5	30.9	29.2	28.6	27.4	26.7	25.2	23.6	44								
50			29.8	30.1	29	28.4	26.9	25.7	24.2	23.7	22.6	22.2	20.7	20.1	50								
56			24.6	25.3	24.3	23.9	22.6	21.5	20.2	19.9	18.8	18.6	17.1	16.6	56								
62				21.3	20.7	20.4	19.2	18.2	17	16.8	15.8	15.6	14.1	13.8	62								
68				18	17.7	17.5	16.4	15.6	14.4	14.2	13.3	13.1	11.7	11.4	68								
74					15.2	15.1	14.1	13.3	12.3	12.1	11.2	11.1	9.7	9.4	74								
80					13	13.1	12.2	11.4	10.4	10.3	9.4	9.3	8	7.7	80								
86						11.2	10.5	9.8	8.8	8.7	7.9	7.8	6.5	6.3	86								
92						9.6	8.9	8.4	7.5	7.4	6.5	6.5	5.2	5	92								
98						8.4	7.7	7.2	6.3	6.2	5.4	5.3	4.1	3.9	98								
104						7.3	6.7	6.2	5.2	5.2	4.4	4.3			104								
110							5.6	5.3	4.3	4.3	3.5	3.4			110								
116							4.7	4.4	3.5	3.5					116								
122								3.5							122								
128								2.8							128								

TAB 1825360



Lifting capacities on telescopic boom
Forces de levage à la flèche télescopique

42 – 197 ft 85%															
 ft	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	 ft
9	241	182													9
10	238	182	182	164											10
12	199	182	180	164	130										12
14	182	175	168	157	130										14
16	166	161	149	136	124	105									16
18	146	139	129	118	109	97	76								18
20	125	116	111	102	94	86.5	75.5	57.5							20
23	98	94	89	83	76	74	67.5	57.5							23
26	79	77	73.5	69	67	62.5	58.4	53.9	47.5						26
29	65.5	64.5	62	60	57.8	53.8	51.8	47.9	43.7	35.2	38.6				29
32	55.3	54.8	53.8	52.9	50.3	48.3	45.6	43.2	39.7	35.2	36.9	31	31.5		32
35		47.4	47	46.5	44.3	43.1	40.6	38.6	36.1	34.4	33.9	31	30.5	25.5	35
38		41.5	41.4	41.2	39.5	38.4	36.3	34.5	32.5	31.8	30.4	29.4	28	25.5	38
44		32.6	33.1	33.3	32	31.3	29.6	28.1	26.4	25.9	24.7	24.2	22.6	21.9	44
50			26.9	27.3	26.3	25.8	24.4	23.2	21.7	21.3	20.2	19.9	18.3	17.8	50
56			22.1	22.8	22	21.6	20.3	19.3	18	17.7	16.7	16.5	15	14.6	56
62				19.2	18.5	18.3	17.1	16.2	15.1	14.8	13.8	13.7	12.2	11.9	62
68				16.1	15.8	15.6	14.6	13.7	12.6	12.4	11.5	11.4	10	9.7	68
74					13.4	13.4	12.4	11.6	10.6	10.5	9.5	9.4	8.1	7.8	74
80					11.3	11.5	10.6	9.9	8.9	8.8	7.9	7.8	6.5	6.3	80
86						9.7	9	8.4	7.4	7.3	6.5	6.4	5.1	4.9	86
92						8.3	7.7	7.1	6.1	6	5.2	5.2			92
98						7.2	6.6	6	5	5	4.1	4.1			98
104						6.1	5.5	5	4.1	4	3.2	3.2			104
110							4.5	4.1	3.2	3.2					110
116							3.7	3.3							116

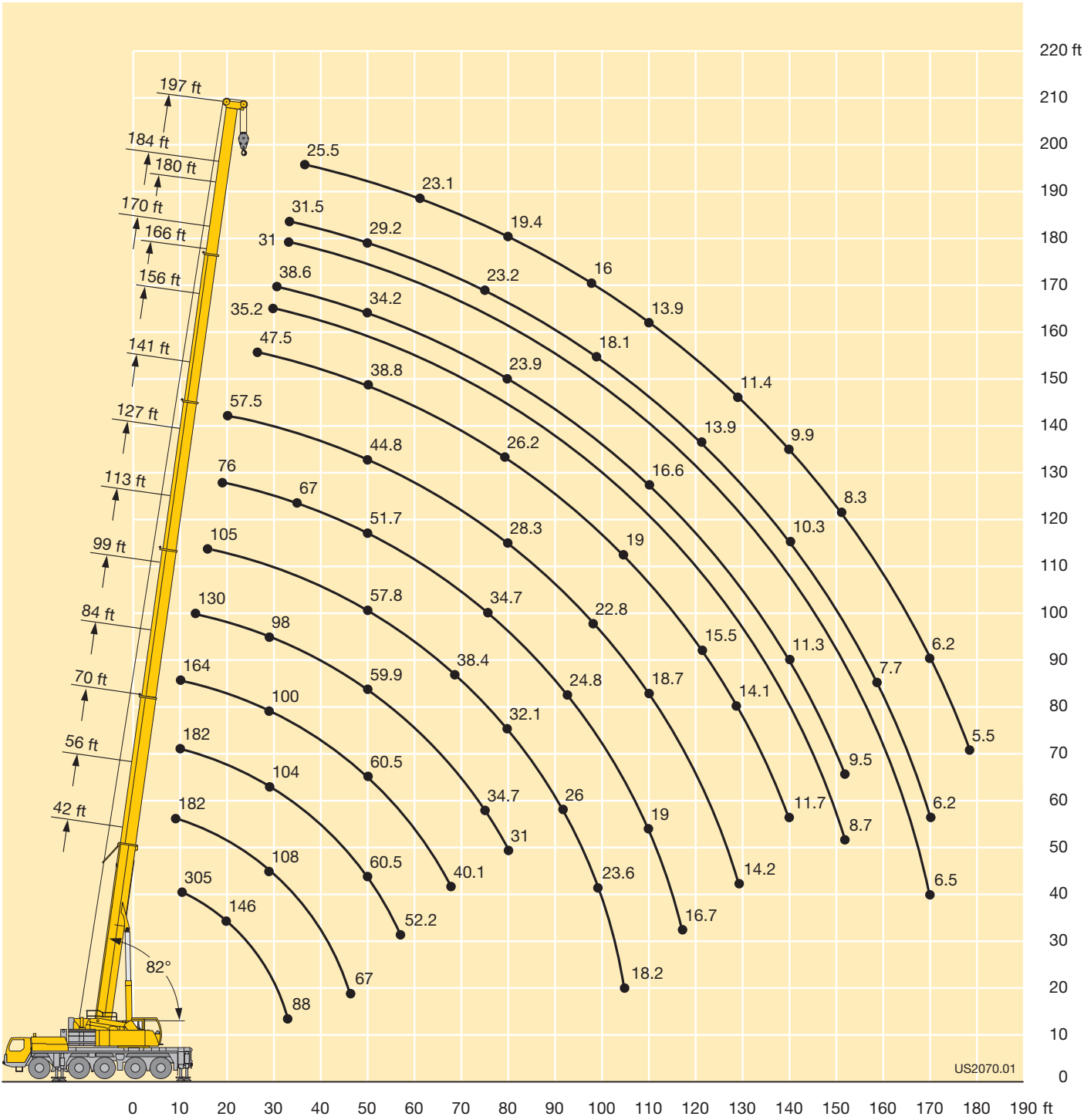
TAB 1821062

42 – 197 ft 85%															
ft	42 ft	56 ft	70 ft	84 ft	99 ft	113 ft	127 ft	141 ft	156 ft	166 ft	170 ft	180 ft	184 ft	197 ft	ft
9	216														9
10	214	182	181	154											10
12	190	180	176	150	126										12
14	166	164	151	133	120										14
16	144	135	123	113	101	87									16
18	121	113	103	95.5	86	79	63								18
20	97.5	92.5	86.5	79	73	69	62	49							20
23	73	71.5	68	63	61.5	56.3	52.8	48.9							23
26	57.4	57.7	56.3	54.6	51.3	49.1	45.5	42.9	38.6						26
29	45	47.7	47.2	46.4	43.9	42.2	39.4	37.1	34.4	32	31.2				29
32	36	39.8	40.2	39.9	38	36.6	34.3	32.3	30.1	29.1	27.9	26.1	24.3		32
35		33.3	34.6	34.7	33.1	32.1	30.1	28.3	26.4	25.7	24.4	23.8	22.1	20.2	35
38		28.1	30	30.4	29.1	28.3	26.6	25	23.3	22.7	21.5	21	19.3	18.7	38
44		20.8	22.8	24	23.1	22.6	21.2	19.9	18.5	18.1	17	16.6	15	14.5	44
50			17.5	19	18.6	18.3	17	16	14.7	14.4	13.4	13.1	11.6	11.2	50
56			13.6	15.1	15.1	14.9	13.8	12.9	11.8	11.6	10.6	10.4	9	8.7	56
62				12.1	12.2	12.3	11.3	10.5	9.4	9.3	8.3	8.2	6.8	6.5	62
68				9.7	9.8	10	9.2	8.5	7.5	7.4	6.4	6.4			68
74					7.8	8.2	7.5	6.8	5.9	5.8	4.9	4.8			74
80					6.2	6.6	6	5.4							80
86						5.3	4.8								86
92						4.1									92
98						3.2									98
104						2.4									104

TAB 1821065



Lifting heights
Hauteurs de levage



Lifting capacities on the hydraulically or mechanically variable folding jib
Forces de levage à la fléchette pliante à variation hydraulique
ou mécanique

																					
42 – 197 ft		62 ft		99 ft		113 ft		127 ft		141 ft		156 ft									
62 ft		62 ft		62 ft		62 ft		62 ft		62 ft		62 ft		62 ft		62 ft					
0°		20°		40°		0°		20°		40°		0°		20°		40°		0°		20°	
40°																					
14	17.2																			14	
17	17.1					14.2														17	
20	16.5					14.2			13.3											20	
23	15.9					14			13.3											23	
26	15.4					13.9			13.3			12.4								26	
29	14.8	11.6				13.6			13.2			12.4			11.9					29	
32	14.2	11.6				13.4			13			12.3			11.8			11.6		32	
35	13.6	11.3				13.2			12.8			12.2			11.7			11.6		35	
38	13.1	10.9				12.9			12.6			12			11.6			11.6		38	
44	12.1	10.2				12.4	10.2		12.2	9.9		11.7			11.3			11.3		44	
50	11.2	9.7	8.7			11.9	9.9		11.8	9.8		11.3	9.6		11	9.6		11.1		50	
56	10.5	9.2	8.4			11.5	9.6	8.3	11.4	9.6		11	9.5		10.8	9.4		10.8		56	
62	9.8	8.9	8.2			11.1	9.3	8.3	11	9.3	8	10.7	9.3	8	10.5	9.2		10.5	9.3	62	
68	9	8.6	8			10.6	9.1	8.2	10.6	9.1	8	10.4	9.1	8	10.2	9	8	10.2	9.1	68	
74	8.3	8.3	7.9			10.2	8.9	8	10.3	8.9	8	10.1	8.9	8	9.9	8.8	8	10	8.9	74	
80	7.7	8.1	7.9			9.8	8.7	7.9	9.9	8.7	7.9	9.8	8.7	7.9	9.7	8.7	7.9	9.8	8.7	80	
86	7.1	7.9				9.4	8.5	7.8	9.6	8.5	7.8	9.6	8.5	7.8	9.5	8.5	7.8	9.6	8.6	86	
92						9.1	8.3	7.8	9.3	8.4	7.8	9.3	8.4	7.8	9.2	8.4	7.8	9.4	8.4	92	
98						8.8	8.2	7.8	9	8.2	7.7	9.1	8.2	7.7	9.1	8.2	7.7	9.2	8.3	98	
104						8.5	8	7.7	8.7	8.1	7.7	8.8	8.1	7.7	8.9	8.1	7.7	9	8.2	104	
110						8.1	8	7.7	8.4	8	7.7	8.6	8	7.7	8.7	8	7.7	8.8	8.1	110	
116						7.7	7.8	7.7	8.1	7.9	7.7	8.3	7.9	7.7	8.5	7.9	7.7	8.7	8	116	
122						7.4	7.7	7.7	7.8	7.9	7.7	8.1	7.8	7.7	8.3	7.9	7.7	8.5	7.9	122	
128						7.1	7.5	7.7	7.5	7.7	7.7	7.8	7.7	7.7	8	7.8	7.7	8.3	7.9	128	
134						6.8	7.3	7.4	7.2	7.6	7.7	7.5	7.6	7.6	7.8	7.6	7.6	8.1	7.8	134	
140						6.5	6.9		6.9	7.4	7.6	7.2	7.4	7.5	7.5	7.5	7.5	7.9	7.7	140	
146						6.3			6.7	7.2	7.4	6.9	7	7.2	7.3	7.3	7.4	7.7	7.6	146	
152									6.5	7		6.6	6.7	6.9	7	7.1	7.3	7.5	7.5	152	
158									6.3	6.8		6.3	6.4	6.6	6.8	6.8	7	7.2	7.4	158	
164									6.1	6.6		6	6.1	6.3	6.5	6.6	6.7	7	7.2	164	
170												5.7	5.9		6.2	6.3	6.5	6.7	6.9	170	
176												5.5	5.6		6	6.1	6.3	6.5	6.6	176	
182															5.8	5.9		5.9	6.3	182	
188															5.6	5.7		5.3	5.8	188	
194																		4.8	5.1	194	

TAB 1825371 / 1825091 / 1825111



Lifting capacities on the hydraulically or mechanically variable folding jib
Forces de levage à la fléchette pliante à variation hydraulique
ou mécanique

42 – 197 ft

62 ft

360°

92600 lbs

85%

	166 ft			170 ft			180 ft			184 ft			197 ft			
	62 ft			62 ft			62 ft			62 ft			62 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
35	9.9			10.7												35
38	9.9			10.7			9.2			9.5						38
44	9.9			10.5			9.2			9.4			8.5			44
50	9.8			10.4			9.2			9.3			8.4			50
56	9.6	8.5		10.2	9.2		9.1			9.2			8.3			56
62	9.5	8.5		10	9.1		9	8.4		9.1	8.5		8.3			62
68	9.3	8.5		9.8	8.9		8.9	8.4		9	8.4		8.2	7.8		68
74	9.1	8.5	7.8	9.6	8.8	7.8	8.8	8.3		8.8	8.3		8.2	7.8		74
80	9	8.4	7.8	9.4	8.6	7.8	8.7	8.2	7.5	8.7	8.2	7.7	8.1	7.8		80
86	8.9	8.3	7.7	9.2	8.5	7.8	8.5	8.1	7.5	8.6	8.1	7.6	8	7.7	7.5	86
92	8.7	8.2	7.7	9.1	8.3	7.7	8.4	8	7.5	8.5	8	7.6	7.9	7.7	7.5	92
98	8.6	8	7.6	8.9	8.2	7.7	8.3	7.9	7.5	8.4	7.9	7.5	7.8	7.6	7.4	98
104	8.5	8	7.6	8.8	8.1	7.7	8.2	7.8	7.5	8.3	7.8	7.5	7.8	7.5	7.4	104
110	8.3	7.9	7.6	8.6	8	7.6	8.1	7.8	7.5	8.1	7.8	7.5	7.7	7.5	7.4	110
116	8.1	7.8	7.6	8.5	7.9	7.6	8	7.7	7.5	8.1	7.7	7.5	7.6	7.4	7.4	116
122	7.8	7.7	7.6	8.4	7.8	7.6	7.8	7.6	7.5	7.9	7.7	7.5	7.6	7.4	7.4	122
128	7.6	7.5	7.6	8.3	7.8	7.6	7.6	7.6	7.5	7.8	7.6	7.5	7.4	7.3	7.4	128
134	7.3	7.4	7.5	8.1	7.7	7.6	7.4	7.5	7.4	7.6	7.5	7.5	7.2	7.2	7.3	134
140	7	7.2	7.3	7.9	7.7	7.5	7.1	7.2	7.4	7.5	7.4	7.5	6.9	7.1	7.2	140
146	6.7	6.9	7.1	7.7	7.6	7.5	6.9	7	7.2	7.3	7.2	7.4	6.6	7	7.1	146
152	6.3	6.6	6.9	7.5	7.4	7.5	6.5	6.7	6.9	7	7	7.2	6.3	6.6	6.9	152
158	6	6.3	6.5	7.2	7.3	7.5	6.3	6.5	6.7	6.7	6.9	7	6	6.3	6.6	158
164	5.6	5.9	6.1	6.8	7.1	7.3	6	6.2	6.4	6.5	6.6	6.8	5.7	6	6.3	164
170	5.3	5.6	5.8	6.2	6.9	7.1	5.7	5.9	6.1	6.2	6.4	6.6	5.4	5.7	6	170
176	5.1	5.3	5.4	5.9	6.3	6.6	5.4	5.6	5.8	5.7	6.1	6.3	5.1	5.4	5.7	176
182	4.8	5	5.1	5.6	5.8	6	5.1	5.3	5.5	5.1	5.8	6	4.7	5.1	5.4	182
188	4.5	4.7	4.8	5.4	5.5	5.6	4.9	5.1	5.2	4.5	5.3	5.6	4.3	4.8	5	188
194	4.3	4.4	4.5	4.9	5.2	5.4	4.7	4.8	5	4	4.6	5	3.8	4.4	4.7	194
200	4	4.2		4.4	4.9		4.3	4.6	4.7	3.4	4	4.3	3.2	3.9	4.2	200
210				3.6			3.5	3.9	4	2.6	3.1	3.2	2.4	3	3.2	210

TAB 1825371 / 1825091 / 1825111



Lifting capacities on the hydraulically or mechanically variable folding jib
Forces de levage à la fléchette pliante à variation hydraulique
ou mécanique

 85%																
 ft	42 ft			113 ft			127 ft			141 ft			156 ft			 ft
	35 ft			35 ft			35 ft			35 ft			35 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	38.5															12
14	38	34.2														14
17	36.3	33.9		38.6												17
20	34.3	32.2		38.6			33.7									20
23	32.4	30.6		38.5			33.7									23
26	30.6	29.1	23.7	37.5			33.6			28.4						26
29	28.6	27.5	22.8	36.6	29.3		33			28.4			23.6			29
32	26.6	26	21.8	35.6	28.5		32.4	26.7		28.3			23.6			32
35	24.7	24.6	21	34.7	27.7		31.5	26.6		28			23.6			35
38	23	23.1	20.2	32.2	26.8	21.4	29.5	26.2		27	24.6		23.5			38
44	19.9	19.8	18.1	26.2	25.4	20.7	24.4	24.7	20.2	23.5	23.4	19.8	21.6	21.6		44
50	17.4	17.6	16.7	21.3	23	19.9	21.5	21.7	19.8	20.7	20.7	19.3	19.4	20	18.3	50
56	15.4	16.3	15.9	17.5	19.6	19.2	19	18.9	18.7	17.9	18.6	18.2	16.7	17.8	17.7	56
62	13.8	15.3	10.7	14.5	16.3	17.6	16.1	17.1	16.8	15.1	16.6	16.5	13.9	15.6	16.2	62
68				12.1	13.7	15	13.7	15.1	15.1	12.7	14.2	14.8	11.7	13.2	14.3	68
74				10	11.4	12.6	11.7	12.9	14	10.7	12	13.2	9.7	11.2	12.4	74
80				8.2	9.5	10.5	9.9	11	12	9	10.2	11.2	8.1	9.4	10.5	80
86				6.8	7.9	8.7	8.4	9.4	10.3	7.6	8.7	9.6	6.7	7.9	8.8	86
92				5.5	6.5	7.2	7.2	8	8.7	6.4	7.3	8.1	5.5	6.5	7.4	92
98				4.4	5.2	5.8	6.1	6.9	7.5	5.3	6.2	6.8	4.4	5.4	6.1	98
104				3.3	4.1	4.6	5	5.8	6.3	4.3	5.1	5.7	3.5	4.3	5	104
110					3.1	3.5	4.1	4.8	5.2	3.5	4.2	4.7		3.4	4	110
116							3.3	3.9	4.2		3.4	3.8			3.1	116
122								3.1	3.3			3				122

TAB 1821122 / 1820142 / 1820162

 85%																
 ft	166 ft			170 ft			180 ft			184 ft			197 ft			 ft
	35 ft			35 ft			35 ft			35 ft			35 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
32	16.3			18.1												32
35	16.3			18.1			14.3									35
38	16.3			18.1			14.3			14.8						38
44	16.3	16.3		18.1	18.1		14.3			14.8			12.4			44
50	16.3	16.1		17.3	17.8		14.3	14.3		14.8			12.4			50
56	15.5	15.5	14.6	15.2	16.6	16.1	13.9	14.3		14.8	14.8		12.4			56
62	13.6	14.6	14.3	12.7	14.5	15.3	12.3	13.6	13.5	13.4	14.5		12	12.4		62
68	11.3	12.9	13.5	10.5	12.1	13.5	10.2	11.8	12.9	11.1	13	13.1	10.6	11.8	11.9	68
74	9.4	10.9	12.1	8.6	10.1	11.4	8.4	9.9	11.1	8.9	10.7	12.2	8.5	10.3	11.3	74
80	7.8	9.1	10.2	7	8.4	9.5	6.8	8.2	9.3	7.2	8.8	10.1	6.8	8.4	9.8	80
86	6.5	7.6	8.6	5.7	6.9	7.9	5.5	6.7	7.8	5.6	7.1	8.3	5.3	6.8	8	86
92	5.2	6.3	7.2	4.5	5.6	6.5	4.3	5.4	6.4		5.6	6.7		5.3	6.5	92
98	4.2	5.2	6	3.4	4.5	5.3	3.3	4.3	5.2		4.4	5.4			5.1	98
104	3.3	4.2	4.9		3.5	4.2		3.3	4.1		3.3	4.2			3.9	104
110		3.3	3.9			3.2			3.1			3.1				110
116			3													116

TAB 1821122 / 1820142 / 1820162



Lifting capacities on the hydraulically or mechanically variable folding jib
Forces de levage à la fléchette pliante à variation hydraulique
ou mécanique

42 – 197 ft		62 ft				360°		14600 lbs		85%									
	42 ft			99 ft			113 ft			127 ft			141 ft			156 ft			
	62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			
ft	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	ft
14	15.6																		14
17	15.5			12.9															17
20	15			12.9			12.1												20
23	14.5			12.8			12.1												23
26	14			12.6			12.1			11.2									26
29	13.4	10.6		12.4			12			11.2			10.9						29
32	12.9	10.5		12.2			11.8			11.2			10.8			10.6			32
35	12.4	10.2		12			11.6			11.1			10.6			10.6			35
38	11.9	9.9		11.7			11.5			10.9			10.5			10.5			38
44	11	9.3		11.3	9.3		11.1	9		10.6			10.3			10.3			44
50	10.2	8.8	7.9	10.9	9		10.7	8.9		10.3	8.8		10	8.7		10.1			50
56	9.5	8.4	7.7	10.5	8.7	7.6	10.3	8.7		10	8.6		9.8	8.6		9.8	8.6		56
62	8.9	8.1	7.5	10.1	8.5	7.5	10	8.5	7.3	9.7	8.4	7.3	9.5	8.4		9.6	8.5		62
68	8.2	7.8	7.3	9.7	8.2	7.4	9.7	8.3	7.3	9.4	8.2	7.3	9.2	8.2	7.3	9.3	8.3	7.3	68
74	7.6	7.6	7.2	9.3	8	7.3	9.3	8.1	7.3	9.2	8	7.3	9	8	7.3	9	8.1	7.3	74
80	7	7.4	7.1	8.9	7.9	7.2	9	7.9	7.2	8.9	7.9	7.2	8.8	7.9	7.2	8.3	8	7.2	80
86	6.4	7.2		8.6	7.7	7.1	8.7	7.7	7.1	8.6	7.7	7.1	8.4	7.7	7.1	7.2	7.8	7.1	86
92				8.2	7.6	7.1	8.4	7.6	7.1	8	7.6	7.1	7.1	7.6	7.1	6	7.5	7.1	92
98				8	7.4	7.1	7.8	7.5	7	6.9	7.5	7	6.1	7.5	7	5	6.7	7	98
104				7	7.3	7	6.8	7.4	7	5.9	7.2	7	5.1	6.6	7	4	5.6	6.9	104
110				6.1	6.9	7	5.8	6.8	7	5	6.3	7	4.3	5.6	6.6	3.2	4.7	6	110
116				5.2	6.1	6.6	5	6	6.6	4.3	5.4	6.3	3.5	4.8	5.8		3.8	5	116
122				4.5	5.3	5.8	4.2	5.1	5.8	3.6	4.6	5.4	2.8	4	4.9		3.1	4.1	122
128				3.8	4.5	4.8	3.5	4.3	4.9	2.9	3.8	4.5		3.3	4.1			3.3	128
134				3.2	3.8	4	2.9	3.6	4.1		3.1	3.7			3.3				134
140				2.7	3.1			3	3.3			3							140
146				2.2					2.6										146

TAB 1821122 / 1820142 / 1820162

TAB 1821122 / 1820142 / 1820162

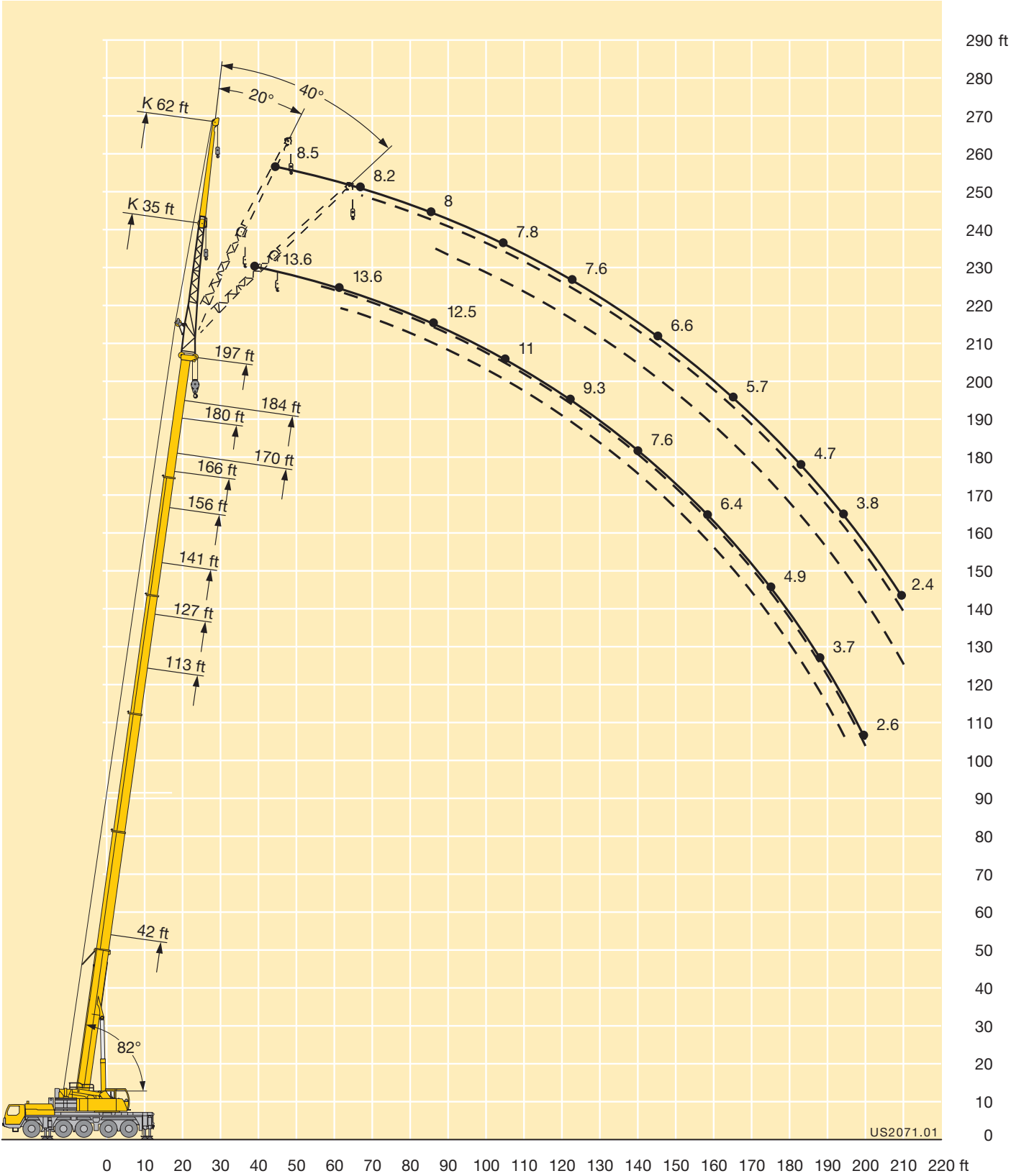
42 – 197 ft		62 ft				360°		14600 lbs		85%							
	166 ft			170 ft			180 ft			184 ft			197 ft				
	62 ft			62 ft			62 ft			62 ft			62 ft				
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
35	9			9.7												35	
38	9			9.7			8.4			8.6						38	
44	9			9.6			8.4			8.5			7.7			44	
50	8.9			9.4			8.4			8.4			7.7			50	
56	8.8	7.7		9.2	8.3		8.3			8.3			7.6			56	
62	8.6	7.7		9.1	8.3		8.2	7.7		8.2	7.7		7.5			62	
68	8.5	7.7		8.8	8.1		8.1	7.6		8.1	7.7		7.5	7.1		68	
74	8.3	7.7	7.1	8.3	8	7.1	7.9	7.5		7.6	7.6		7	7.1		74	
80	8	7.6	7.1	7.5	7.8	7.1	7.2	7.4	6.8	6.1	7.5	6.9	5.7	7.1		80	
86	6.9	7.5	7	6.2	7.5	7.1	5.9	7.3	6.8	4.8	7.2	6.9	4.5	6.9	6.8	86	
92	5.7	7.4	7	5	7	7	4.8	6.8	6.8		5.9	6.9		5.6	6.8	92	
98	4.7	6.5	6.9	4	5.9	7	3.8	5.7	6.8		4.8	6.5		4.4	6.2	98	
104	3.8	5.4	6.7	3.1	4.8	6.2		4.6	6.1		3.7	5.4		3.4	5.1	104	
110	2.9	4.5	5.8		3.9	5.2		3.7	5.1			4.3			4.1	110	
116		3.6	4.8		3	4.3		2.9	4.1			3.3			3.1	116	
122		2.9	3.9			3.4			3.3							122	
128			3.2													128	

TAB 1821122 / 1820142 / 1820162

TAB 1821122 / 1820142 / 1820162



Lifting heights
Hauteurs de levage



US2071.01



Lifting capacities on the hydraulically or mechanically variable folding jib with boom extension

Forces de levage à la fléchette pliante à variation hydraulique ou mécanique avec télescope rallongé

																						
 ft	42 ft + 23 ft			156 ft + 23 ft			166 ft + 23 ft			170 ft + 23 ft			180 ft + 23 ft			184 ft + 23 ft			197 ft + 23 ft			 ft
	35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
12	14.6																					12
14	14.5																					14
17	14.4	14.6																				17
20	14.3	14.5																				20
23	14.1	14.4																				23
26	13.6	13.9																				26
29	13.1	13.2	13.3																			29
32	12.6	12.5	12.8	14.6																		32
35	12	11.9	12.1	14.6			12.1			12.6												35
38	11.4	11.4	11.4	14.5			12.1			12.6			10.7			11.2						38
44	10.2	10.3	10.4	14.4			12.1			12.6			10.7			11.2			9.5			44
50	9	9.4	9.5	14.3	13.8		12.1	12.1		12.6	12.6		10.7			11.1			9.4			50
56	7.9	8.5	8.8	14.1	13.4	12.4	12.1	12		12.6	12.6		10.7	10.7		11.1	11.2		9.4	9.5		56
62	7	7.7	8.1	13.8	12.8	12.1	12.1	11.7	10.7	12.5	12.3	11.2	10.7	10.7	10.2	11.1	11.2	10.7	9.4	9.5		62
68	6.3	6.8	7.3	13.3	12.2	11.5	11.9	11.2	10.6	12.3	11.8	11.1	10.7	10.6	10.1	11	11	10.6	9.4	9.5	9.2	68
74	5.6	6	6.3	12.7	11.7	11	11.5	10.8	10.2	12	11.4	10.8	10.6	10.3	9.9	10.9	10.7	10.3	9.4	9.4	9.2	74
80	4.9	5.3	5.6	12.2	11.2	10.6	11.1	10.3	9.9	11.7	11	10.4	10.4	10	9.6	10.7	10.4	10	9.3	9.3	9.2	80
86	4.5			11.7	10.7	10.1	10.6	9.9	9.5	11.3	10.5	10	10.1	9.7	9.3	10.6	10.1	9.7	9.1	9.2	9	86
92				11.1	10.3	9.8	10.1	9.5	9.2	10.9	10.1	9.7	9.7	9.3	9.1	10.3	9.7	9.4	9	8.9	8.7	92
98				10.6	9.9	9.5	9.6	9.2	8.9	10.4	9.8	9.3	9.4	9	8.8	9.9	9.4	9.1	8.8	8.7	8.5	98
104				10	9.5	9.2	9.1	8.9	8.7	10	9.4	9.1	9	8.7	8.6	9.5	9.2	8.9	8.6	8.5	8.3	104
110				9.4	9.1	8.8	8.7	8.6	8.4	9.5	9.1	8.8	8.6	8.5	8.3	9.1	8.9	8.7	8.3	8.2	8.1	110
116				8.9	8.7	8.6	8.3	8.2	8.2	9	8.7	8.6	8.2	8.2	8.1	8.7	8.6	8.5	8	7.9	7.9	116
122				8.3	8.3	8.3	7.9	7.9	7.9	8.5	8.4	8.3	7.9	7.9	7.9	8.4	8.4	8.3	7.7	7.7	7.7	122
128				7.9	7.9	8	7.4	7.5	7.6	8.1	8.1	8	7.5	7.6	7.6	8	8.1	8	7.4	7.4	7.4	128
134				7.5	7.6	7.7	7	7.2	7.3	7.7	7.7	7.8	7.2	7.3	7.4	7.7	7.7	7.8	7	7.1	7.2	134
140				7.1	7.2	7.3	6.7	6.8	7	7.3	7.4	7.5	6.9	7	7.1	7.3	7.4	7.5	6.7	6.8	6.9	140
146				6.7	6.8	6.9	6.3	6.5	6.6	7	7.1	7.2	6.5	6.7	6.8	7	7.1	7.2	6.3	6.5	6.6	146
152				6.3	6.4	6.5	5.9	6.1	6.2	6.6	6.7	6.8	6.2	6.3	6.5	6.7	6.8	6.9	6	6.2	6.3	152
158				6	6.1	6.2	5.6	5.7	5.9	6.3	6.4	6.5	5.9	6	6.2	6.4	6.5	6.6	5.6	5.8	6	158
164				5.7	5.8	5.9	5.3	5.4	5.5	6	6.1	6.2	5.6	5.7	5.8	6.1	6.2	6.3	5.3	5.5	5.7	164
170				5.4	5.5	5.5	5	5.1	5.2	5.8	5.8	5.9	5.3	5.4	5.5	5.5	5.9	6	5	5.2	5.4	170
176				5.1	5.2	5.2	4.7	4.8	4.9	5.5	5.6	5.6	5.1	5.1	5.2	4.9	5.3	5.6	4.6	4.9	5	176
182				4.9	4.9	5	4.4	4.5	4.5	5.2	5.3	5.4	4.8	4.9	5	4.3	4.7	5	4	4.4	4.7	182
188				4.6	4.7		4.1	4.2	4.2	4.7	5	5	4.5	4.6	4.7	3.7	4.1	4.3	3.5	3.9	4.1	188
194				4.4	4.5		3.9	4	4	4.1	4.4	4.5	4.1	4.3	4.4	3.1	3.5	3.6	2.9	3.3	3.5	194
200										3.6	3.8		3.5	3.8	3.9	2.6	2.9	3		2.8	3	200
210													2.7	2.9								210

TAB 1825431 / 1825151 / 1825171

TAB 1825431 / 1825151 / 1825171



Lifting capacities on the hydraulically or mechanically variable folding jib with boom extension
Forces de levage à la fléchette pliante à variation hydraulique ou mécanique avec télescope rallongé

																									
 ft	42 ft + 23 ft			156 ft + 23 ft			166 ft + 23 ft			170 ft + 23 ft			180 ft + 23 ft			184 ft + 23 ft			194 ft + 23 ft			 ft			
	62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			62 ft						
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°				
14	9.2																					14			
17	9.2																					17			
20	9.1																					20			
23	9.1																					23			
26	9																					26			
29	8.9																					29			
32	8.8																					32			
35	8.7	8.5																				35			
38	8.6	8.5		9																		38			
44	8.2	8.2		9			7.8			8			7.3			7.5						44			
50	7.7	7.7	7.5	9			7.8			8			7.3			7.5			6.6			50			
56	7.2	7.2	7.3	9			7.8			8			7.3			7.5			6.6			56			
62	6.7	6.8	7	8.9	8.3		7.8			8			7.3			7.5			6.6			62			
68	6.2	6.3	6.5	8.8	8.3		7.8	7.8		8	7.8		7.3	7		7.4	7.3		6.6			68			
74	5.8	5.9	6.1	8.7	8.2		7.8	7.7		8	7.8		7.3	7		7.4	7.3		6.6	6.3		74			
80	5.3	5.6	5.8	8.5	8	7.3	7.8	7.5	6.8	8	7.7	7	7.3	7		7.4	7.3		6.6	6.3		80			
86	4.9	5.3	5.5	8.4	7.7	7.3	7.7	7.3	6.8	8	7.6	7	7.3	7	6.6	7.3	7.3	6.8	6.6	6.3		86			
92	4.4	4.9	5.2	8.1	7.4	7	7.6	7	6.7	7.9	7.3	6.9	7.2	6.9	6.5	7.3	7.1	6.8	6.5	6.3		92			
98	4	4.6	4.9	7.8	7.1	6.8	7.3	6.8	6.5	7.7	7.1	6.7	7.1	6.7	6.4	7.2	6.9	6.6	6.5	6.3	6.1	98			
104	3.6	4	4.3	7.5	6.9	6.6	7.1	6.6	6.3	7.5	6.9	6.5	6.9	6.5	6.2	7.1	6.7	6.4	6.5	6.3	6	104			
110	3.3	3.6	4.2	7.2	6.7	6.4	6.9	6.4	6.1	7.2	6.6	6.4	6.8	6.3	6.1	7	6.5	6.3	6.4	6.1	5.9	110			
116	3	3.2		7	6.5	6.2	6.6	6.2	6	6.9	6.4	6.2	6.6	6.1	5.9	6.8	6.3	6.1	6.3	5.9	5.8	116			
122				6.7	6.3	6.1	6.4	6	5.8	6.7	6.2	6	6.3	5.9	5.7	6.6	6.1	5.9	6.1	5.8	5.6	122			
128				6.5	6.1	5.9	6.2	5.8	5.7	6.5	6.1	5.9	6.1	5.8	5.6	6.4	6	5.8	6	5.7	5.5	128			
134				6.3	5.9	5.7	6	5.6	5.5	6.3	5.9	5.7	5.9	5.6	5.5	6.2	5.8	5.7	5.8	5.5	5.4	134			
140				6.1	5.7	5.6	5.8	5.5	5.4	6.1	5.7	5.6	5.8	5.5	5.4	6	5.7	5.6	5.7	5.4	5.3	140			
146				5.8	5.6	5.5	5.6	5.3	5.3	5.9	5.6	5.5	5.6	5.3	5.2	5.9	5.5	5.4	5.5	5.3	5.2	146			
152				5.6	5.4	5.3	5.4	5.2	5.1	5.7	5.4	5.3	5.4	5.2	5.1	5.7	5.4	5.3	5.3	5.1	5.1	152			
158				5.3	5.2	5.2	5.1	5.1	5	5.5	5.3	5.3	5.3	5.1	5	5.5	5.3	5.2	5.1	5	5	158			
164				5.1	5.1	5.1	4.9	4.9	4.9	5.3	5.1	5.1	5	4.9	4.9	5.4	5.2	5.1	4.9	4.9	4.9	164			
170				4.9	4.9	5	4.6	4.7	4.7	5.1	5	5	4.8	4.8	4.8	5.1	5	5	4.7	4.7	4.8	170			
176				4.6	4.8	4.9	4.3	4.5	4.6	4.9	4.8	4.9	4.6	4.7	4.7	4.9	4.9	4.9	4.6	4.6	4.7	176			
182				4.4	4.6	4.7	4	4.2	4.4	4.6	4.7	4.8	4.3	4.5	4.6	4.6	4.7	4.8	4.4	4.5	4.6	182			
188				4.2	4.3	4.4	3.8	4	4.2	4.4	4.5	4.6	4.1	4.2	4.4	4.2	4.6	4.7	3.9	4.3	4.5	188			
194				3.9	4.1	4.2	3.6	3.8	3.9	4.2	4.3	4.5	3.9	4	4.2	3.6	4.3	4.5	3.5	4.1	4.3	194			
200				3.7	3.8	4	3.3	3.6	3.7	4	4.2	4.3	3.7	3.8	4	3.2	3.8	4.2	3	3.7	4	200			
210				3.4	3.5		3	3.2	3.2	3.4	3.8	3.9	3.2	3.5	3.6	2.4	3	3.3	2.3	2.9	3.2	210			
220							2.7	2.8		2.6	3		2.5	3	3.1							220			
230							2.4			2.2			2.2	2.2								230			

TAB 1825431 / 1825151 / 1825171



Lifting capacities on the hydraulically or mechanically variable folding jib with boom extension

Forces de levage à la fléchette pliante à variation hydraulique ou mécanique avec télescope rallongé

		 42 – 197 ft			 23 ft			 35 ft			 360°			 14600 lbs			85%								
 ft	42 ft + 23 ft			156 ft + 23 ft			166 ft + 23 ft			170 ft + 23 ft			180 ft + 23 ft			184 ft + 23 ft			197 ft + 23 ft			 ft			
	35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			35 ft						
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°				
12	13.2																					12			
14	13.2																					14			
17	13.1	13.2																				17			
20	13	13.2																				20			
23	12.8	13.1																				23			
26	12.4	12.6																				26			
29	11.9	12	12.1																			29			
32	11.4	11.4	11.6	13.2																		32			
35	10.9	10.9	11	13.2				11			11.5											35			
38	10.4	10.3	10.4	13.2				11			11.5			9.7			10.1					38			
44	9.3	9.4	9.5	13.1				11			11.5			9.7			10.1			8.6		44			
50	8.2	8.6	8.7	13	12.5			11	11		11.5	11.5		9.7			10.1			8.6		50			
56	7.2	7.8	8	12.8	12.2	11.2	11	10.9		11.5	11.4			9.7	9.7		10.1	10.1		8.6	8.6	56			
62	6.4	7	7.4	12.4	11.7	11	11	10.6	9.7	11.2	11.2	10.1	9.7	9.7	9.3	9.7	10.1	9.7	8.6	8.6		62			
68	5.7	6.2	6.6	11.2	11.1	10.5	10.4	10.2	9.6	10	10.7	10.1	9.2	9.6	9.2	8.5	9.7	9.6	7.9	8.6	8.4	68			
74	5.1	5.5	5.8	9.3	10.4	10	9	9.7	9.3	8.2	9.7	9.8	7.9	9.1	9	6.8	8.4	9.2	6.4	8	8.3	74			
80	4.5	4.8	5.1	7.8	9.1	9.5	7.4	8.8	8.9	6.7	8.1	9.2	6.4	7.8	8.6	5.3	6.8	8	4.9	6.4	7.7	80			
86	4.1			6.4	7.6	8.6	6.1	7.3	8.3	5.3	6.6	7.6	5.1	6.4	7.4		5.4	6.5		5	6.2	86			
92				5.2	6.3	7.2	4.9	6	6.9	4.2	5.3	6.3		5.1	6.1			5.2			4.9	92			
98				4.1	5.1	5.9	3.9	4.9	5.7	3.1	4.2	5.1		4	4.9			4			3.7	98			
104				3.2	4.1	4.9		3.9	4.7		3.2	4		3.1	3.9							104			
110					3.2	3.9		3	3.7			3.1			2.9							110			
116						3																116			

TAB 1821242 / 1820262 / 1820282

TAB 1821242 / 1820262 / 1820282

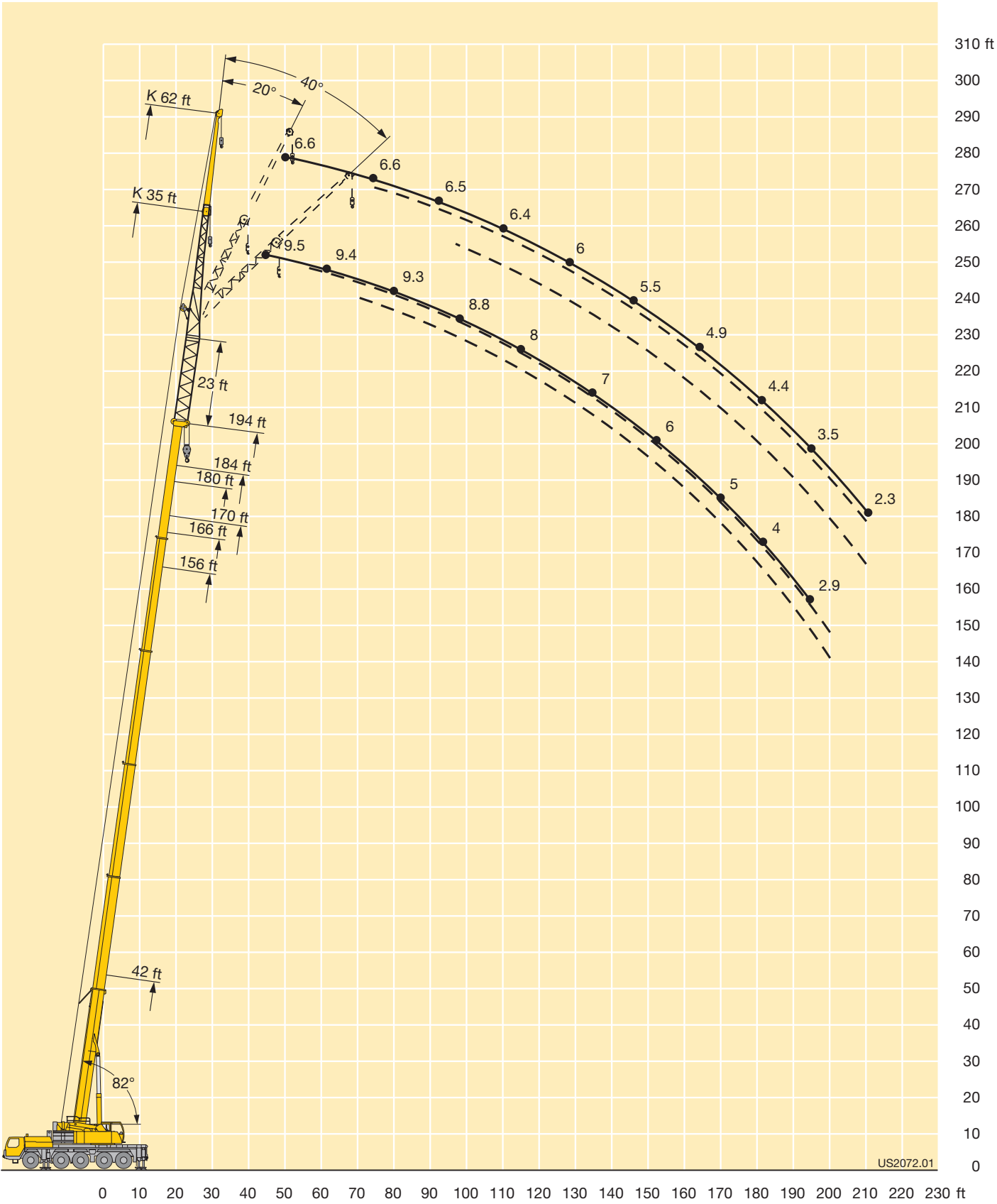
		 42 – 197 ft			 23 ft			 62 ft						 360°			 14600 lbs			85%				
 ft	42 ft + 23 ft			156 ft + 23 ft			166 ft + 23 ft			170 ft + 23 ft			180 ft + 23 ft			184 ft + 23 ft			194 ft + 23 ft			 ft		
	62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			62 ft					
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°			
14	8.4																					14		
17	8.4																					17		
20	8.3																					20		
23	8.2																					23		
26	8.2																					26		
29	8.1																					29		
32	8																					32		
35	7.9	7.7																				35		
38	7.8	7.7			8.2																	38		
44	7.4	7.5			8.2			7.1			7.3			6.6			6.8					44		
50	7	7	6.8	8.2			7.1			7.3			6.6			6.8			6			50		
56	6.5	6.6	6.7	8.1			7.1			7.3			6.6			6.8			6			56		
62	6.1	6.1	6.3	8.1	7.5		7.1			7.3			6.6			6.8			6			62		
68	5.7	5.7	5.9	8	7.5		7.1	7.1		7.3	7.1		6.6	6.4		6.8	6.6		6			68		
74	5.3	5.4	5.6	7.9	7.4		7.1	7		7.3	7.1		6.6	6.4		6.5	6.6		5.9	5.7		74		
80	4.9	5.1	5.2	7.6	7.2	6.6	7	6.8	6.2	7	7	6.4	6.4	6.4		5.7	6.6		5.4	5.7		80		
86	4.4	4.8	5	6.7	7	6.6	6.4	6.6	6.2	5.7	6.9	6.4	5.4	6.4	6	4.4	6.5	6.2		5.7		86		
92	4	4.5	4.7	5.6	6.7	6.4	5.3	6.4	6.1	4.6	6.6	6.3	4.3	6.2	6		5.5	6.2		5.3		92		
98	3.6	4.1	4.4	4.6	6.3	6.2	4.2	6	5.9	3.6	5.5	6.1	3.3	5.3	5.8		4.4	6		4.2	5.5	98		
104	3.3	3.7	3.9	3.6	5.3	6	3.3	5.1	5.7		4.5	5.9		4.2	5.7		3.4	5.1		3.2	4.8	104		
110	3	3.2	3.8		4.4	5.6		4.1	5.3		3.6	5		3.3	4.8			4.1			3.9	110		
116	2.7	3			3.6	4.8		3.3	4.6			4			3.9			3.1			3	116		
122					2.8	3.9			3.7			3.2			3							122		
128						3.1			2.9													128		

TAB 1821242 / 1820262 / 1820282

TAB 1821242 / 1820262 / 1820282



Lifting heights
Hauteurs de levage





Lifting capacities on the hydraulically or mechanically variable folding jib with boom extension

Forces de levage à la fléchette pliante à variation hydraulique ou mécanique avec télescope rallongé

																							
42 – 194 ft		46 ft		35 ft		360°		92600 lbs		85%													
42 ft + 46 ft		156 ft + 46 ft		166 ft + 46 ft		170 ft + 46 ft		180 ft + 46 ft		184 ft + 46 ft		194 ft + 46 ft											
35 ft		35 ft		35 ft		35 ft		35 ft		35 ft		35 ft		35 ft		35 ft		35 ft		35 ft		35 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°
14	9.7																						
17	9.7																						
20	9.7																						
23	9.7																						
26	9.6	9.7																					
29	9.4	9.6																					
32	9.2	9.4	9																				
35	8.9	9.1	9																				
38	8.5	8.7	8.8	9.7																			
44	7.9	8	8.2	9.7			8.3			8.5			7.3			7.5							
50	7.3	7.4	7.5	9.7	9.7		8.3			8.5			7.3			7.5			6.6				
56	6.7	6.8	7	9.6	9.5		8.3	8.3		8.5	8.5		7.3	7.3		7.5			6.6				
62	6.2	6.3	6.4	9.4	9.2	8.7	8.3	8.3	8	8.5	8.5	8.3	7.3	7.3		7.5	7.5		6.6	6.6			
68	5.8	5.9	6	9.2	8.8	8.6	8.2	8.1	7.9	8.5	8.4	8.2	7.3	7.3	7.3	7.5	7.5	7.5	6.6	6.6			
74	5.3	5.4	5.6	8.8	8.5	8.2	8.1	7.9	7.7	8.3	8.2	8	7.3	7.3	7.3	7.5	7.5	7.5	6.5	6.6	6.6		
80	4.8	5	5.2	8.5	8.1	7.9	7.8	7.6	7.4	8.1	7.9	7.7	7.3	7.2	7.2	7.4	7.4	7.4	6.5	6.6	6.6	6.6	
86	4.3	4.6	4.8	8.1	7.8	7.6	7.5	7.3	7.1	7.9	7.6	7.4	7.2	7	6.9	7.3	7.3	7.2	6.5	6.5	6.5		
92	3.9	4.1	4.4	7.8	7.4	7.3	7.3	7	6.9	7.7	7.3	7.2	7	6.8	6.7	7.2	7.1	6.9	6.4	6.5	6.5		
98	3.4	3.7	3.8	7.5	7.1	7	7	6.7	6.6	7.4	7.1	6.9	6.8	6.6	6.5	7.1	6.9	6.7	6.3	6.3	6.3		
104	3	3.2	3.5	7.2	6.9	6.7	6.8	6.5	6.4	7.1	6.8	6.7	6.6	6.4	6.3	6.9	6.6	6.5	6.3	6.1	6.1		
110	2.7	2.8		6.9	6.6	6.5	6.5	6.3	6.1	6.9	6.6	6.4	6.4	6.1	6.1	6.7	6.4	6.3	6.1	6	5.9		
116				6.6	6.4	6.3	6.2	6.1	5.9	6.6	6.4	6.2	6.2	6	5.9	6.5	6.2	6.1	6	5.8	5.7		
122				6.4	6.1	6.1	6	5.8	5.8	6.4	6.1	6	6	5.8	5.7	6.2	6	5.9	5.8	5.6	5.6		
128				6.2	5.9	5.9	5.8	5.6	5.6	6.2	5.9	5.8	5.8	5.6	5.5	6	5.8	5.7	5.6	5.4	5.4		
134				5.9	5.7	5.7	5.6	5.4	5.4	5.9	5.7	5.7	5.6	5.4	5.4	5.8	5.6	5.6	5.5	5.3	5.3		
140				5.7	5.5	5.5	5.4	5.3	5.2	5.7	5.5	5.5	5.4	5.2	5.2	5.7	5.5	5.4	5.3	5.1	5.1		
146				5.4	5.3	5.3	5.2	5.1	5.1	5.5	5.4	5.3	5.2	5.1	5.1	5.5	5.3	5.3	5.1	5	5		
152				5.1	5.1	5.1	5	4.9	4.9	5.3	5.2	5.2	5	5	4.9	5.3	5.2	5.1	4.9	4.8	4.8		
158				4.9	4.9	4.9	4.7	4.7	4.7	5.1	5	5	4.9	4.8	4.8	5.1	5	5	4.7	4.7	4.7		
164				4.6	4.7	4.7	4.4	4.4	4.5	4.9	4.8	4.8	4.6	4.7	4.7	4.9	4.9	4.9	4.5	4.5	4.6		
170				4.4	4.5	4.6	4.1	4.2	4.3	4.6	4.6	4.7	4.4	4.4	4.5	4.7	4.7	4.7	4.3	4.4	4.4		
176				4.2	4.2	4.3	3.8	4	4	4.4	4.4	4.5	4.1	4.2	4.3	4.4	4.5	4.6	4.1	4.2	4.3		
182				3.9	4	4.1	3.6	3.7	3.8	4.2	4.2	4.3	3.9	4	4	3.9	4.3	4.4	3.7	4	4.1		
188				3.7	3.8	3.8	3.3	3.5	3.5	4	4	4.1	3.6	3.7	3.8	3.4	3.8	4	3.2	3.6	3.8		
194				3.5	3.5	3.6	3.1	3.2	3.3	3.7	3.8	3.9	3.4	3.5	3.6	2.9	3.3	3.5	2.7	3.1	3.3		
200				3.3	3.3	3.3	2.9	3	3	3.4	3.6	3.7	3.1	3.3	3.4		2.7	2.9		2.6	2.8		
210				2.9	3		2.5	2.6	2.6	2.5	2.8	2.9	2.4	2.7	2.9								
220							2.2	2.3															

TAB 1825191 / 1825211 / 1825231



Lifting capacities on the hydraulically or mechanically variable folding jib with boom extension
Forces de levage à la fléchette pliante à variation hydraulique ou mécanique avec télescope rallongé

																							
	42 ft + 46 ft			156 ft + 46 ft			166 ft + 46 ft			170 ft + 46 ft			180 ft + 46 ft			184 ft + 46 ft			194 ft + 46 ft				
	62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			62 ft				
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
17	6.6																					17	
20	6.6																					20	
23	6.6																					23	
26	6.6																					26	
29	6.6																					29	
32	6.5																					32	
35	6.5																					35	
38	6.4	6.6																				38	
44	6.2	6.5		6.6																		44	
50	6	6.3		6.6			5.6			5.8			4.9		5.1							50	
56	5.6	5.9	5.8	6.5			5.6			5.8			4.9		5.1			4.4				56	
62	5.2	5.4	5.7	6.5			5.6			5.8			4.9		5.1			4.4				62	
68	4.9	5	5.3	6.5	6.3		5.6			5.8			4.9		5.1			4.4				68	
74	4.5	4.7	4.9	6.4	6.3		5.6	5.6		5.8	5.8		4.9	4.9	5.1	5.1		4.4				74	
80	4.2	4.4	4.6	6.3	6.2		5.6	5.6		5.7	5.8		4.9	4.9	5	5.1		4.4	4.4			80	
86	3.9	4.1	4.3	6.1	6	5.6	5.5	5.6	5.1	5.6	5.8	5.3	4.9	4.9	5	5.1		4.3	4.4			86	
92	3.7	3.8	4	6	5.8	5.6	5.4	5.4	5.1	5.6	5.6	5.3	4.9	4.9	5	5.1		4.3	4.4			92	
98	3.5	3.6	3.7	5.8	5.5	5.4	5.3	5.2	5.1	5.5	5.4	5.3	4.9	4.9	4.9	4.9	5.1	5.1	4.3	4.4		98	
104	3.2	3.4	3.5	5.6	5.3	5.2	5.2	5	4.9	5.5	5.2	5.1	4.9	4.8	4.8	4.9	5	4.9	4.3	4.4	4.4	104	
110	3	3.2	3.3	5.4	5.1	5	5.1	4.8	4.7	5.3	5	4.9	4.9	4.7	4.6	4.9	4.8	4.8	4.3	4.4	4.4	110	
116	2.8	3	3.1	5.2	4.9	4.8	4.9	4.6	4.6	5.1	4.9	4.7	4.8	4.6	4.5	4.8	4.7	4.6	4.3	4.3	4.3	116	
122	2.7	2.8	2.8	5	4.7	4.6	4.7	4.5	4.4	4.9	4.7	4.6	4.6	4.4	4.3	4.7	4.6	4.5	4.2	4.2	4.2	122	
128	2.5	2.6	2.5	4.7	4.5	4.5	4.5	4.3	4.2	4.7	4.5	4.4	4.4	4.2	4.2	4.6	4.4	4.3	4.1	4.1	4.1	128	
134	2.4	2.4		4.6	4.4	4.3	4.3	4.1	4.1	4.6	4.3	4.3	4.3	4.1	4	4.4	4.3	4.2	4	4	4	134	
140				4.4	4.2	4.1	4.1	4	4	4.4	4.2	4.1	4.1	4	3.9	4.3	4.1	4.1	3.9	3.8	3.8	140	
146				4.2	4	4	4	3.8	3.8	4.2	4	4	4	3.8	3.8	4.1	4	3.9	3.8	3.7	3.7	146	
152				4.1	3.9	3.9	3.9	3.7	3.7	4.1	3.9	3.9	3.8	3.7	3.7	4	3.9	3.8	3.7	3.6	3.6	152	
158				3.9	3.8	3.8	3.7	3.6	3.6	3.9	3.8	3.8	3.7	3.6	3.6	3.9	3.7	3.7	3.6	3.5	3.5	158	
164				3.8	3.6	3.6	3.6	3.5	3.5	3.8	3.7	3.6	3.6	3.5	3.4	3.8	3.6	3.6	3.5	3.4	3.4	164	
170				3.6	3.5	3.5	3.4	3.4	3.4	3.7	3.5	3.5	3.5	3.4	3.4	3.7	3.5	3.5	3.4	3.3	3.3	170	
176				3.5	3.4	3.4	3.3	3.2	3.2	3.6	3.4	3.4	3.4	3.2	3.3	3.5	3.4	3.4	3.3	3.2	3.2	176	
182				3.4	3.3	3.3	3.1	3.1	3.2	3.4	3.3	3.3	3.2	3.2	3.2	3.4	3.3	3.3	3.2	3.1	3.1	182	
188				3.2	3.2	3.2	3	3	3	3.3	3.2	3.2	3.1	3	3.1	3.3	3.2	3.2	3.1	3	3.1	188	
194				3.1	3.1	3.1	2.8	2.9	2.9	3.2	3.1	3.2	2.9	2.9	3	3	3.1	3.2	2.9	3	3	194	
200				2.9	3	3	2.6	2.8	2.8	3.1	3	3.1	2.8	2.8	2.9	2.7	3	3.1	2.5	2.9	2.9	200	
210				2.6	2.7	2.7	2.3	2.5	2.6	2.8	2.9	3	2.5	2.6	2.7		2.6	2.9		2.4	2.7	210	
220				2.3	2.4	2.5		2.1	2.2		2.6	2.7		2.4	2.5							220	
230				2	2.1	2.2						2.2			2.2							230	

TAB 1825191 / 1825211 / 1825231

TAB 1825191 / 1825211 / 1825231



Lifting capacities on the hydraulically or mechanically variable folding jib with boom extension

Forces de levage à la fléchette pliante à variation hydraulique ou mécanique avec télescope rallongé

																						
 ft	42 ft + 46 ft			156 ft + 46 ft			166 ft + 46 ft			170 ft + 46 ft			180 ft + 46 ft			184 ft + 46 ft			194 ft + 46 ft			 ft
	35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			35 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
14	8.8																					14
17	8.8																					17
20	8.8																					20
23	8.8																					23
26	8.7	8.8																				26
29	8.6	8.8																				29
32	8.4	8.5	8.2																			32
35	8.1	8.2	8.2																			35
38	7.7	7.9	8	8.8																		38
44	7.2	7.3	7.5	8.8			7.5			7.7			6.6			6.8						44
50	6.6	6.7	6.9	8.8	8.8		7.5			7.7			6.6			6.8			6			50
56	6.1	6.2	6.3	8.7	8.7		7.5	7.5		7.7	7.7		6.6	6.6		6.8			6			56
62	5.7	5.7	5.9	8.6	8.4	7.9	7.5	7.5	7.3	7.7	7.7	7.5	6.6	6.6		6.8	6.8		6	6		62
68	5.2	5.3	5.5	8.4	8	7.8	7.5	7.4	7.2	7.7	7.7	7.5	6.6	6.6	6.6	6.8	6.8	6.8	6	6		68
74	4.8	4.9	5.1	8	7.7	7.5	7.4	7.2	7	7.3	7.5	7.3	6.5	6.6	6.6	6.3	6.8	6.8	5.7	6	6	74
80	4.3	4.6	4.7	7.3	7.4	7.2	6.9	6.9	6.7	6.2	7.1	7	5.9	6.5	6.5	4.9	6.3	6.7	4.6	5.7	6	80
86	3.9	4.2	4.4	5.9	7	6.9	5.6	6.5	6.5	4.9	6.2	6.7	4.6	5.9	6.3		5	6.1		4.7	5.8	86
92	3.5	3.8	4	4.8	5.9	6.6	4.4	5.6	6.2		5	6		4.7	5.7			4.8			4.6	92
98	3.1	3.3	3.5	3.7	4.8	5.6	3.4	4.5	5.3		3.9	4.8		3.6	4.5			3.7			3.5	98
104	2.7	2.9	3.1		3.8	4.6		3.5	4.3			3.7			3.5							104
110	2.4	2.5				3.6			3.4													110

TAB 1821302 / 1820322 / 1820342

TAB 1821302 / 1820322 / 1820342

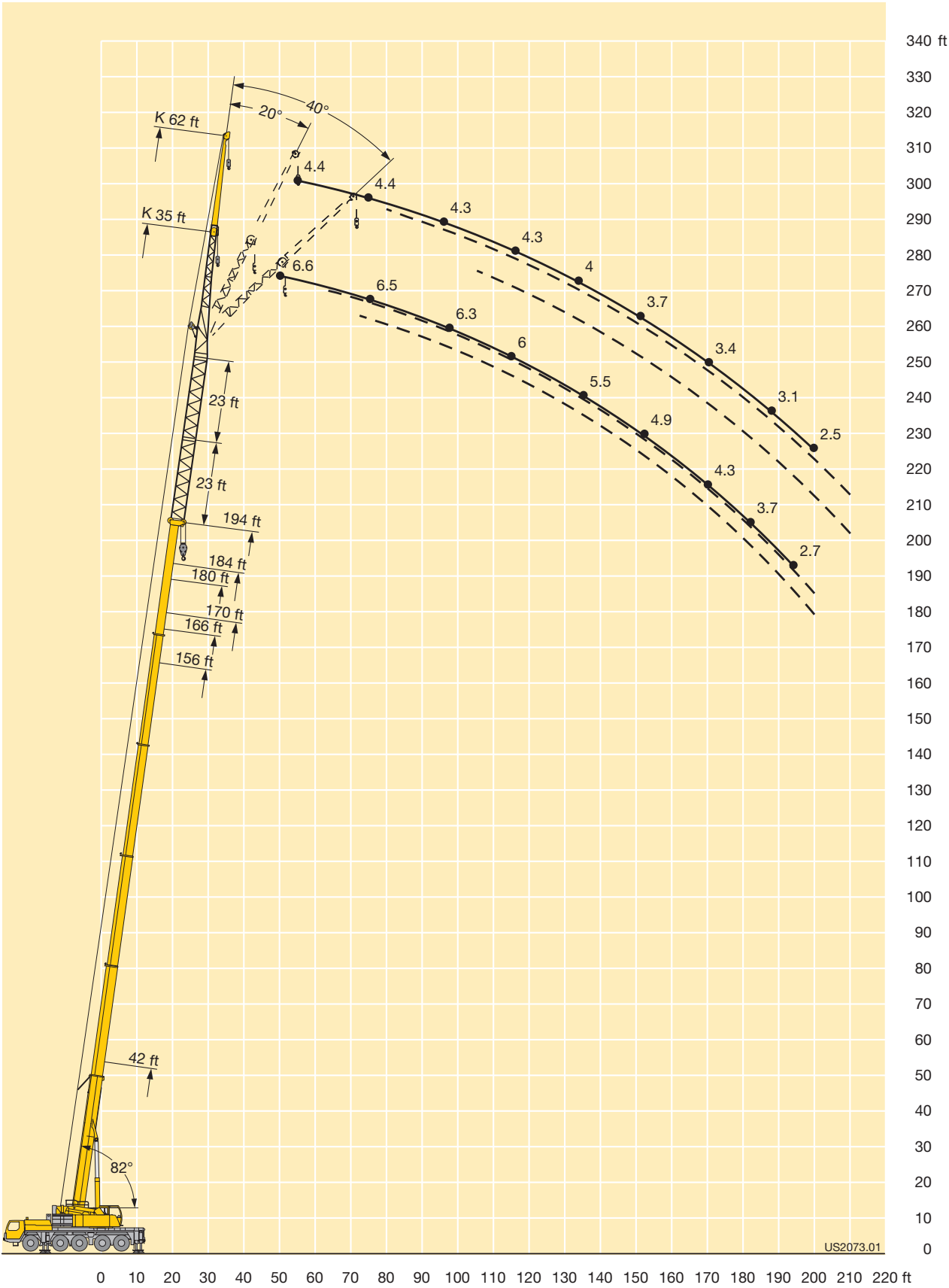
																						
 ft	42 ft + 46 ft			156 ft + 46 ft			166 ft + 46 ft			170 ft + 46 ft			180 ft + 46 ft			184 ft + 46 ft			194 ft + 46 ft			 ft
	62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			62 ft			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
17	6																					17
20	6																					20
23	6																					23
26	6																					26
29	6																					29
32	5.9																					32
35	5.9																					35
38	5.8	6																				38
44	5.6	5.9		6																		44
50	5.4	5.7		6			5.1			5.3			4.4			4.6						50
56	5.1	5.3	5.3	5.9			5.1			5.3			4.4			4.6			4			56
62	4.8	4.9	5.1	5.9			5.1			5.3			4.4			4.6			4			62
68	4.4	4.6	4.8	5.9	5.7		5.1			5.3			4.4			4.6			4			68
74	4.1	4.3	4.5	5.8	5.7		5.1	5.1		5.2	5.3		4.4	4.4		4.6	4.6		4			74
80	3.8	4	4.2	5.7	5.7		5.1	5.1		5.2	5.3		4.4	4.4		4.5	4.6		3.9	4		80
86	3.6	3.7	3.9	5.5	5.5	5.1	5	5.1	4.6	5	5.2	4.9	4.3	4.4		4.6				4		86
92	3.4	3.5	3.6	5.1	5.2	5.1	4.7	4.9	4.6	4	5.1	4.9		4.4		4.6			4			92
98	3.1	3.2	3.4	4	5	4.9	3.7	4.7	4.6	3.1	4.9	4.8		4.4	4.4	4	4.6		3.7			98
104	2.9	3.1	3.2	3.1	4.8	4.7		4.5	4.4		4.1	4.6		3.8	4.3		3	4.5			4	104
110	2.7	2.9	3		4	4.5		3.7	4.3		3.2	4.4		2.9	4.2			3.7			3.4	110
116	2.6	2.7	2.8		3.2	4.2		2.9	4			3.7			3.5			2.8				116
122	2.4	2.5	2.6			3.6			3.4			2.9										122
128	2.3	2.4	2.3			2.8																128
134	2.2	2.2																				134

TAB 1821302 / 1820322 / 1820342

TAB 1821302 / 1820322 / 1820342



Lifting heights
Hauteurs de levage



Technical drawing of a Liebherr 944 mobile crane, showing side and top views with dimensions in feet and inches.

Side View Dimensions:

- Overall length: 48'8"
- Length to rear axle: 41'6"
- Length to front axle: 13'9"
- Length to hook: 7'7"
- Length to rear axle: 3'1"
- Height to top of boom: A
- Height to top of cab: E
- Height to bottom of boom: H
- Height to bottom of cab: F
- Height to bottom of rear axle: G
- Height to bottom of front axle: D
- Wheelbase (front to rear): 27'9"
- Wheelbase (middle): 40'3"
- Wheelbase (rear): 12'6"
- Overall width: 47'4"

Top View Dimensions:

- Overall width: 26'5"
- Width to rear axle: 16'4"
- Width to front axle: 10'
- Radius R1 = 34'1"
- Radius R = 38'7"
- Radius R1 = 37'2"
- Radius R = 41'5"
- Radius R1 = 38'10"
- Radius R = 43'2"
- Radius R1 = 16'9"
- Radius R = 20'10"
- Radius R = 13'9"
- Radius R = 16'
- Width to rear axle: 15'2"
- Width to front axle: 11'2"
- Overall width: 26'6"
- Width to rear axle: 16'3"
- Width to front axle: 16'4"
- Overall width: 24'7"
- Width to rear axle: 1'10"

US2069.02

$R_1 = \text{All-wheel steering} \cdot \text{Direction toutes roues}$

	Dimensions - Encombrement								
	A	A 4" *	B	C	D	E	F	G	H
16.00 R 25	13'1"	12'10"	9'	7'7"	6'9"	12'4"	22°	14°	26°
20.5 R 25	13'1"	12'10"	9'4"	7'7"	6'9"	12'4"	22°	14°	26°

* lowered • abaissé



Weights
Poids



Axle Essieu	1	2	3	4	5	Total weight lbs Poids total lbs
lbs	26400	26400	26400	26400	26400	132000 ¹⁾

¹⁾ with 19800 lbs counterweight · avec contrepoids 19800 lbs



Load (kips) Forces de levage kips	No. of sheaves Poulies	No. of lines Brins	Weight lbs Poids lbs
242.5	7	14	2730
198.8	5	11	1980
130	3	7	1540
57.5	1	3	990
19.4	–	1	550

Working speeds
Vitesses



		1	2	3	4	5	6	7	8	9	10	11	12	R 1	R 2	
16.00 R 25 20.5 R 25		1.2 – 3.5	4.5	5.8	7.5	9.5	12.2	16.1	20.6	26.6	34.2	43.4	50	1.3 – 3.8	4.9	43 %
		0.53 – 1.6	2	2.6	3.3	4.2	5.3	7	9	11.6	14.9	18.9	24.2	0.57 – 1.7	2.1	55 %



Drive Mécanismes	infinitely variable en continu	Rope diameter / Rope length Diamètre du câble / Longueur du câble	Max. single line pull Effort au brin maxi.
	0 – 360 ft/min single line ft/min au brin simple	7/8" / 820 ft	19400 lbs
	0 – 360 ft/min single line ft/min au brin simple	7/8" / 820 ft	19400 lbs
	0 – 1.5 rpm		
	approx. 65 seconds to reach 82° boom angle env. 65 s jusqu'à 82°		
	approx. 511 seconds for boom extension from 42 ft – 197 ft env. 511 s pour passer de 42 ft – 197 ft		



Equipment
Equipment

Crane carrier

Frame	Self-manufactured, weight-optimized and torsion resistant box-type design of high-tensile structural steel.
Outriggers	4-point supporting system, hydraulically telescopable into horizontal and vertical direction. Automatic levelling of crane. Electronic inclination indicator.
Engine	6-cylinder Diesel, make Liebherr, type D846 A7, watercooled, output 370 kW (503 h.p.) at 1900 rpm, max. torque 1737 lbs-ft at 1200 rpm – 1500 rpm. Exhaust emissions acc. to 97/68/EG stage 3 and EPA/CARB Tier 3. Fuel reservoir: 127 gallons.
Transmission	ZF 12-speed gear box with automatic control system AS-TRONIC. ZF-intarder fitted directly to the gear. Two-stage transfer case with lockable transfer differential.
Axles	Welded design, made of high-tensile fine grained steel. All axles steerable. Axles 2, 4 and 5 are planetary axles with differential locks.
Suspension	All axles are mounted on hydropneumatic suspension – “Niveumatik suspension” and are lockable hydraulically.
Tyres	10 tyres, size: 16.00 R 25.
Steering	ZF-servocom power steering, dual circuit system with hydraulic servo system and auxiliary pump system, driven by the axle. At road displacement, axles 3, 4 and 5 electrohydraulically speed-dependent and from 18.6 mph, axles 3 and 4 are fixed to straight displacement. From 37.2 mph, axle 5 is fixed straight. Steering according to EG directive 70/311 EWG.
Brakes	Service brake: all-wheel servo-air brake, all axles are equipped with disc brakes, dual circuit. Parking brake: Spring brake actuator, acting on the wheels of the 2 nd and 5 th axle. Sustained-action brakes: Engine brake as exhaust retarder with Liebherr additional brake system ZBS. Intarder on gear. Brakes acc. to EG directives 71/320 EWG.
Driver's cab	Spacious, steel made, corrosion resistant cab, cataphoretic dip-primed, on resilient suspension with hydraulic shock absorbers, sound and heat absorbing internal panelling acc. to EG directive, safety glazing, operating and control instruments, comfortably equipped.
Electrical system	Modern data bus technique, 24 Volt DC, 2 batteries of 170 Ah each, lighting acc. to traffic regulations.

Crane superstructure

Frame	Self-manufactured, weight-optimized and torsion resistant welded design of high-tensile structural steel; linked by a triple-row roller slewing rim to the carrier for continuous rotation.
Crane engine	4-cylinder Diesel, make Liebherr, type D934S A6, watercooled, output 145 kW (197 h.p.) at 1800 rpm, max. torque 678 lbs-ft at 1100 rpm – 1500 rpm. Exhaust emissions acc. to 97/68/EG stage 3 and EPA/CARB Tier 3. Fuel reservoir: 66 gallons.
Crane drive	Diesel-hydraulic, with 2 axial piston variable displacement pumps, with servo-control and capacity control, 1 double gear pump, open controlled oil circuits. Compact hydraulic drive flanged to the Diesel engine. Drive assembly completely enclosed for noise abatement.
Control	Electric „Load Sensing“ control, simultaneous operation of 4 working motions, 2 self-centering hand control levers (joy-stick type).
Hoist gear	Axial piston fixed displacement motor, Liebherr hoist drum with integrated planetary gear and spring-loaded static brake.
Luffing gear	1 differential ram with pilot-controlled brake valve.
Slewing gear	Axial piston fixed displacement motor, planetary gear, spring-loaded static brake. Slewing gear inversible from released to locked as standard feature.
Crane cab	All-steel construction, entirely galvanized, powder coated, with safety glazing, operating and control instruments, comfortably equipped, cab tiltable backwards.
Safety devices	LICCON safe load indicator, test system, hoist limit switch, safety valves to prevent pipe and hose ruptures.
Telescopic boom	Buckling and torsion resistant design of high-tensile structural steel, oviform boom profile, 1 base section and 5 telescopic sections. All telescopic sections hydraulically extendable independent of one another. Rapid-cycle telescoping system “Telematik”. Boom length: 42 ft – 197 ft.
Counterweight	64600 lbs basic counterweight.
Electrical system	Modern data bus technique, 24 Volt DC, 2 batteries of 170 Ah each.

Additional equipment

Swing-away jib	35 ft – 62 ft long, mountable to the telescopic boom at 0°, 20° or 40°. Hydraulic ram for operating the swing-away jib from 0° – 40° (option).
Telescopic boom extension	23 ft – 46 ft long lattice section, thus higher pinning point for swing-away jib.
2 nd hoist gear	For two-hook operation or for operation with swing-away jib if the hoist rope shall remain reeved.
Tyres	10 tyres, size 20.5 R 25.
Drive 10 x 8	Additional drive of the 1 st axle.
Additional counterweight	28000 lbs for a total counterweight of 92600 lbs.

Other items of equipment available on request.



Equipment
Équipement

Châssis porteur

Cadre	Construction en caisse résistante à la torsion et optimisée en poids réalisée par Liebherr en acier de construction à grain fin très rigide.
Calage	Dispositif de calage horizontal et vertical en 4 points, entièrement déployable hydrauliquement. Nivellement automatique du calage. Indicateurs électroniques d'inclinaison.
Moteur	Moteur diesel, 6 cylindres, fabriqué par Liebherr, de type D846 A7, à refroidissement par eau, de 370 kW (503 ch) à 1900 rpm, couple max. 1737 lbs-ft à 1200 rpm – 1500 rpm. Emissions des gaz d'échappement conformes aux directives 97/68/EG partie 3 et EPA/CARB Tier 3. Capacité du réservoir à carburant: 127 gallons.
Boîte de vitesse	Boîte de vitesses ZF à 12 rapports, mécanisme automatisé à commande AS-TRONIC. Ralentisseur hydrodynamique ZF directement accouplé à la boîte. Boîte de transfert à 2 étages avec blocage de différentiel.
Essieux	Construction soudée en acier haute résistance à grains fins pour l'ensemble des 5 essieux. Tous les essieux sont directeurs. Essieux 2, 4 et 5 planétaires avec blocage du différentiel.
Suspension	Suspension hydropneumatique «Niveaumatik» - sur tous les essieux. Chaque essieu peut être bloqué hydrauliquement.
Pneumatiques	10 pneus de taille: 16.00 R 25.
Direction	Direction hydraulique ZF Servocom, à 2 circuits, assistée hydrauliquement, avec pompe auxiliaire entraînée par essieu. Lors de déplacements sur route, les essieux 3, 4 et 5 sont dirigés électrohydrauliquement en fonction de la vitesse, et à partir de 18.6 mph, les essieux 3 et 4 sont fixés en marche rectiligne. A partir d'env. 37.2 mph, l'essieu 5 est fixé en marche rectiligne. Direction conforme aux directives européennes 70/311 CE.
Freins	Freins de service: servofrein à air comprimé, tous les essieux sont munis de freins à disque, à 2 circuits. Frein à main: ressort accumulé agissant sur les roues des essieux 2 à 5. Freins continus: frein moteur par clapet sur échappement avec système de ralentissement Liebherr ZBS. Ralentisseur hydrodynamique accouplé à la boîte de vitesses. Freins conformes aux directives européennes 71/320 CE.
Cabine du conducteur	Cabine spacieuse en tôle d'acier traitement anti-corrosion par bain de cataphorèse, avec suspension élastique et amortisseurs hydrauliques, revêtement intérieur avec isolation phonique et thermique selon les directives européennes, glaces de sécurité, appareils de commande et de contrôle, équipement confortable.
Installation électrique	Technique moderne de transmission de données par BUS de données, courant continu 24 Volts, 2 batteries de 170 Ah chacune, éclairage conforme au code de la route.

Partie tournante

Cadre	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 rouleaux à 3 rangées permettant une rotation illimitée sert de pièce de liaison avec le châssis de la grue.
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Moteur	Moteur diesel Liebherr, 4 cylindres, de type D934S A6, à refroidissement par eau, de 145 kW (197 ch) à 1800 rpm, couple max. 678 lbs-ft à 1100 rpm – 1500 rpm. Emissions des gaz d'échappement conformes aux directives 97/68/EG partie 3 et EPA/CARB Tier 3. Capacité du réservoir à carburant: 66 gallons.
Entraînement de la grue	Diesel hydraulique avec 2 pompes à débit variable à pistons axiaux, servocommande et régulation de la puissance, 1 double pompe à engrenages, circuits hydrauliques ouverts et régulés. Entraînement hydraulique compact, accouplé directement au moteur Diesel, mécanisme d'entraînement total fermé pour une bonne insonorisation.
Commande	Direction électrique "Load Sensing", 4 mouvements de travail dirigeable simultanément, deux leviers de commande à 4 positions et à autocentrage.
Mécanisme de levage	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.
Mécanisme de relevage	1 vérin différentiel avec clapet de frein commandé.
Dispositif de rotation	Moteur à cylindrée constante à pistons axiaux, réducteur planétaire, frein d'arrêt commandé par ressort. Commutation en série du mécanisme d'orientation: ouvert et en orientation freinée automatiquement.
Cabine du grutier	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.
Dispositif de sécurité	Contrôleur de charge, «LICCON», système test, limitation de la course pour le levage, soupape de sûreté contre la rupture de tubes et de tuyaux.
Flèche télescopique	Flèche télescopique en acier à haute résistance à grains fins, à profil ovale, 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: 42 ft – 197 ft.
Contrepoids	Plaque de base 64600 lbs.
Installation électrique	Technique moderne de transmission de données. Courant continu 24 Volts, 2 batteries de 170 Ah chacune.

Équipement supplémentaire

Fléchette pliante	Longueur: 35 ft – 62 ft, montable sous un angle de 0°, 20° ou 40°. Vérin hydraulique pour le relevage de la fléchette pliante de 0° à 40° (en option).
Rallonge flèche télescopique	Élément en treillis de 23 ft – 46 ft, de cette manière point d'articulation plus haute pour la flèche pliante.
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.
Pneumatiques	10 pneus. Taille: 20.5 R 25.
Entraînement 10 x 8	Essieu 1 est entraîné additionnellement.
Contrepoids additionnel	28000 lbs pour un contrepoids total de 92600 lbs.

Autres équipements supplémentaires sur demande.



Remarks referring to load charts

- 1. The tabulated lifting capacities do not exceed 85% of the tipping load.
- 2. The crane's structural steelwork is in accordance with DIN 15018, part 3. Design and construction of the crane comply with DIN 15018, part 2, and with F. E. M. regulations.
- 3. The 85% overturning limit values take into account wind force 5 = wind speed 20 mph.
- 4. Lifting capacities are given in kips.
- 5. The weight of the hook blocks and hooks must be deducted from the lifting capacities.
- 6. Working radii are measured from the slewing centreline.
- 7. The lifting capacities given for the telescopic boom only apply if the folding jib is taken off.
- 8. Lifting capacities above 183000 lbs / 242500 lbs only with additional pulley block/special equipment.

Remarques relatives aux tableaux des charges

- 1. Les forces de levage indiquées ne dépassent pas 85% de la charge de basculement.
- 2. La norme DIN 15018, 3ème partie est appliquée pour les charpentes. La construction de la grue est réalisée conformément à la norme DIN 15018, 2ème partie, et aux règles de la F. E. M.
- 3. A 85% de la charge de basculement, il a été tenu compte d'un vent de force 5 = vitesse de vent 20 mph.
- 4. Les forces de levage sont données en kips.
- 5. Les poids des moufles et crochets doit être soustrait des charges indiquées.
- 6. Les portées sont calculées à partir de l'axe de rotation.
- 7. Les forces indiquées pour la flèche télescopique s'entendent fléchette dépliable déposée.
- 8. Forces de levage plus de 183000 lbs / 242500 lbs seulement avec moufle additionnel/équipement supplémentaire.