Caractéristiques techniques

200 TON

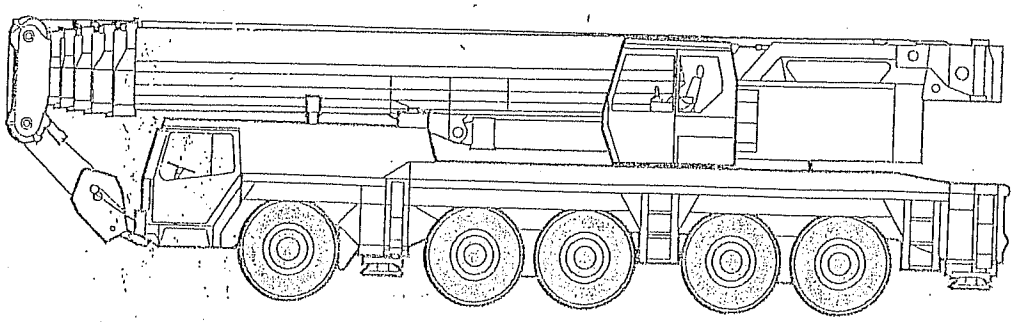
LTM 1160/2

Mobile Crane
Grue automotrice

Telescopic boom

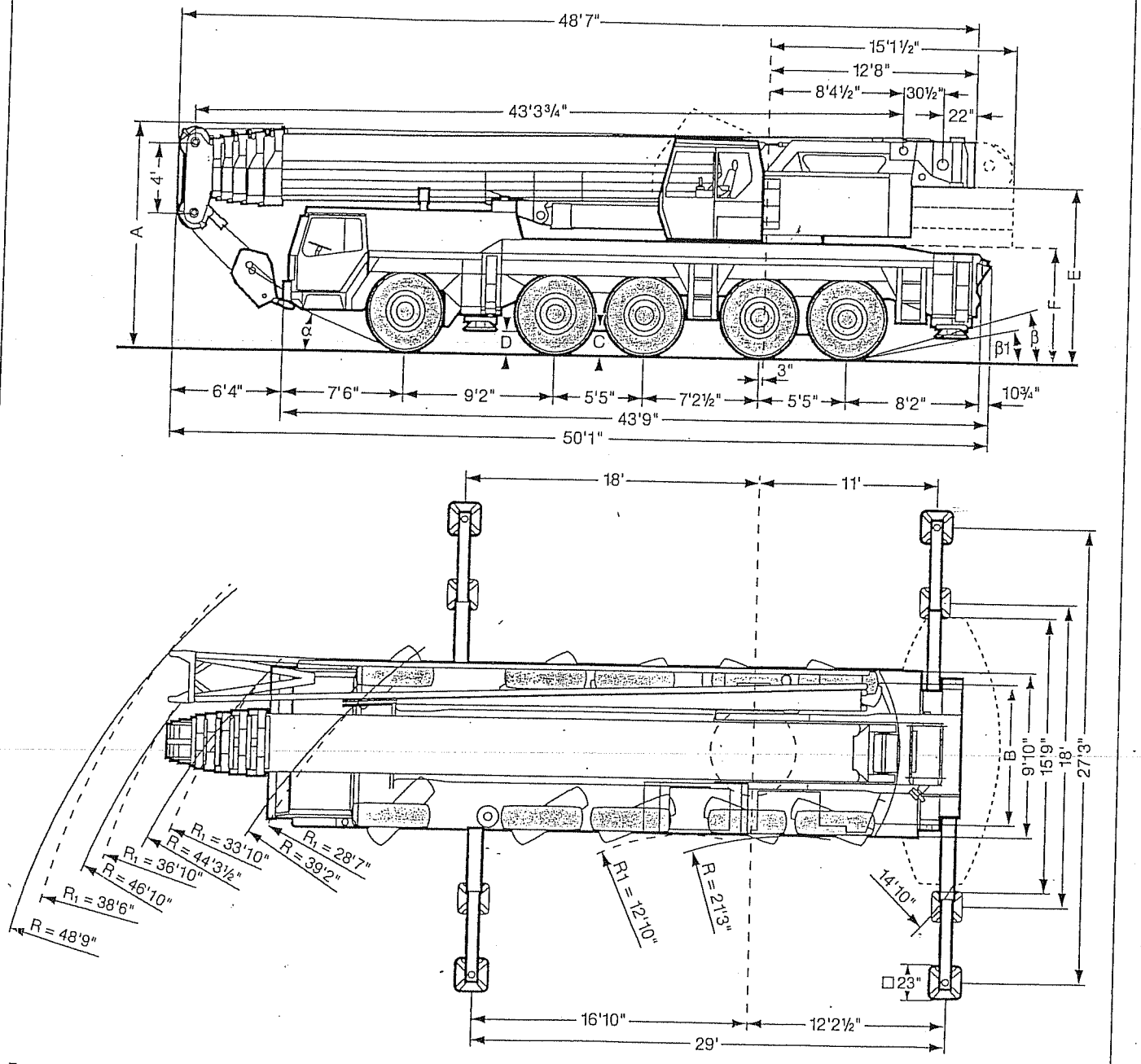
Flèche télescopique

197 ft



LIEBHERR

Dimensions.
Encombrement.



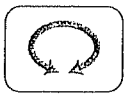
R_1 = All-wheel steering
Direction toutes roues

	Dimensions / Encombrement mm									
	A	A 6"*	B	C	D	E	F	α	β	β_1
16.00 R 25	13'2"	12'7½"	8'5"	18½"	14¾"	10'1"	6'11½"	23°	16°	11°

* lowered / abaissé

Lifting capacities at telescopic boom.
Forces de levage à la flèche télescopique.


43 ft – 197 ft


360°


110 230 lbs

ft	43 ft [1]		57 ft	72 ft	86 ft	100 ft	114 ft	128 ft	142 ft	156 ft	171 ft	185 ft	197 ft	ft
10	380	317												10
11	327	303												11
12	293	288	271											12
13	275	274	254											13
14	261	261	241	226	187									14
15	249	248	230	215	181	154								15
16	240	238	223	208	175	150								16
17	232	228	216	201	170	146	125							17
18	224	218	210	195	165	141	123							18
20	209	200	197	183	155	133	118	101						20
22	193	185	183	173	146	125	112	98						22
24	178	171	170	164	138	118	106	94	81.5					24
26	163	158	157	154	130	111	101	90	80					26
28	151	147	146	144	123	105	95.5	86	77	67.5				28
30	140	136	136	134	117	99	90	82	74	66	55.2			30
32	127	126	127	125	111	94	85.5	78.5	71	64	54			32
34			119	117	106	89.5	81.5	75	68.5	62.5	52.8	44.1	33.7	34
36			112	110	101	85.5	77.5	72	65.5	60	51.5	43.1	33.2	36
38			105	102	97	81.5	73.5	68.5	63	58	50.3	42.1	32.8	38
40			98.5	96	92.5	77.5	70	65.5	60	55.9	48.9	41.1	32.3	40
45			84.5	82	80.5	70.5	63	59.1	54.2	50.8	45.4	38.7	30.9	45
50				71.5	70.5	64.5	57.4	53.6	49	46.3	42.1	36.5	29.4	50
55				62.5	61.5	59.3	52.7	48.9	44.5	42.2	39	34.5	28	55
60					53.6	53.9	48.9	44.8	40.7	38.6	36.1	32.6	26.6	60
65					47	47.3	45.7	41.3	37.4	35.4	33.4	30.7	25.2	65
70					41.7	41.9	42.2	38.3	34.7	32.8	31	28.8	23.8	70
75						37.1	38.3	35.7	32.3	30.4	28.8	27	22.5	75
80						33	34.1	33.3	30.2	28.3	26.9	25.3	21.3	80
85						29.5	30.5	31.2	28.3	26.5	25.1	23.7	20.1	85
90							27.5	28.6	26.6	24.9	23.5	22.2	19	90
95							24.7	26	25.1	23.4	22.1	20.9	17.9	95
100							20.7	23.5	23.5	22.1	20.8	19.6	16.9	100
105								21.3	21.8	20.8	19.6	18.5	16	105
110								19.3	19.8	19.6	18.5	17.5	15.1	110
115								18.1	18	18.5	17.4	16.5	14.2	115
120									16.3	17.4	16.4	15.6	13.5	120
125									14.9	16.1	15.5	14.7	12.7	125
130									14.3	14.7	14.6	13.9	12	130
135										13.4	13.9	13.2	11.3	135
140										11.6	13.3	12.4	10.7	140
145											12.6	11.7	10.1	145
150											12	11	9.5	150
155											11.4	10.4	9	155
160												9.6	8.5	160
165													8.1	165
170													7.6	170
175													7.2	175
I	0		0	46	92	92	92	92/ 0	92/ 0	92/ 0	92/46	92	100	I
II	0		46	46	46	92	92	92/92	92/46	92/92	92/92	92	100	II
III	0		0	0	0	0	46	46/92	92/92	92/92	92/92	92	100	III
IV	0		0	0	0	0	0	46/46	46/92	46/92	92/92	92	100	IV
V	0		0	0	0	0	0	0/46	0/92	46/92	46/92	92	100	V

[1] over reur / en arrière

TAB 103201 / 103202

Lifting capacities are given


43 ft – 197 ft


360°


77 160 lbs

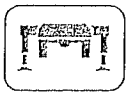
85%

ft	43 ft	57 ft	72 ft	86 ft	100 ft	114 ft	128 ft	142 ft	156 ft	171 ft	185 ft	197 ft	ft
10	317												10
11	300												11
12	285	271											12
13	270	254											13
14	257	241	226	187									14
15	244	230	215	181	154								15
16	233	223	208	175	150								16
17	222	215	201	170	146	125							17
18	213	208	195	165	141	123							18
20	194	193	183	155	133	118	101						20
22	178	177	172	146	125	112	98						22
24	163	162	160	138	118	106	94	81.5					24
26	150	149	147	130	111	101	90	80					26
28	139	138	135	123	105	95.5	86	77	67.5				28
30	128	127	124	116	99	90	82	74	66	55.2			30
32	119	117	115	108	94	85.5	78.5	71	64	54			32
34		109	106	100	89	81.5	75	68.5	62.5	52.8	44.1	33.7	34
36		102	98	92.5	85	77.5	72	65.5	60	51.5	43.1	33.2	36
38		94.5	90.5	85	80.5	73.5	68.5	63	58	50.3	42.1	32.8	38
40		88	83	78.5	76	70	65.5	60	55.9	48.9	41.1	32.3	40
45		77.5	70	66	64	63	59.1	54.2	50.8	45.4	38.7	30.9	45
50			59.9	56.3	54.8	54.6	53.4	49	46.3	42.1	36.5	29.4	50
55			51.2	48.4	47.2	47.2	47.6	44.5	42.2	39	34.5	28	55
60				41.9	40.8	41	41.6	40.5	38.6	36.1	32.6	26.6	60
65				36.4	35.6	36	36.7	36.5	35.4	33.4	30.7	25.2	65
70				31.4	31.5	31.7	32.5	32.5	32.8	31	28.8	23.8	70
75					29.4	27.9	29.7	28.8	29.9	28.8	27	22.5	75
80					27.6	24.6	27.8	25.7	26.8	26.7	25.3	21.3	80
85					26	22.4	26.1	22.9	24.1	24.3	23.7	20.1	85
90						21.1	24.5	22.2	21.7	22.1	22.2	19	90
95						19.9	22.7	20.9	19.6	20.9	20.6	17.9	95
100						18.8	20.7	19.7	18.3	19.8	19	16.9	100
105							18.6	18.5	17.2	18.7	17.3	16	105
110							16.9	17.5	16.2	17.4	15.8	15.1	110
115							15.3	16.3	15.3	16	14.3	13.9	115
120								15.6	14.5	14.6	12.9	12.7	120
125								14.9	13.7	13.2	11.6	11.3	125
130								14.1	12.9	12.1	10.4	10.2	130
135									12	11	9.3	9.1	135
140									11	10	8.3	8.1	140
145										9.1	7.4	7.2	145
150										8.3	6.6	6.5	150
155										7.6	6	5.8	155
160											5.3	5.2	160
165												4.6	165
170												4	170
175												3.4	175
I	0	0/ 0	46	92	92/ 0	92/ 0	92/ 0	92/ 0/ 0	92/ 0	92/46	92	100	I
II	0	46/ 0	46	46	92/ 0	92/ 0	92/92	92/92/46	92/92	92/92	92	100	II
III	0	0/ 0	0	0	0/92	46/92	46/92	92/92/92	92/92	92/92	92	100	III
IV	0	0/ 0	0	0	0/46	0/92	46/46	46/92/92	46/92	92/92	92	100	IV
% V	0	0/46	0	0	0/46	0/46	0/46	0/46/92	46/92	46/92	92	100	V %

TAB 103203

Les forces de levage sont données


43 ft – 197 ft




360°


50 706 lbs

ft	43 ft	57 ft	72 ft	86 ft	100 ft	114 ft	128 ft	142 ft	156 ft	171 ft	185 ft	197 ft	ft
10	284												10
11	269												11
12	255	246											12
13	241	231											13
14	229	219	206	170									14
15	218	209	195	165	140								15
16	207	202	189	159	136								16
17	197	194	183	155	132	113							17
18	188	186	177	150	129	111							18
20	169	169	166	141	121	107	92						20
22	154	153	151	133	114	102	89						22
24	140	139	136	123	107	96.5	85.5	74					24
26	127	126	121	111	101	91.5	82	72.5					26
28	116	115	109	101	94	86.5	78	70	61.5				28
30	106	105	97.5	91	86.5	81.5	74.5	67.5	59.9	50.1			30
32	97	96	89	83	79	76.5	71.5	64.5	58.4	49.1			32
34		88	81.5	76	72.5	71	67.5	62	56.6	48	40.1	30.6	34
36		80	75	70	67	66	63.5	59.6	54.7	46.8	39.2	30.2	36
38		74	68.5	64.5	61.5	60.5	59.4	57	52.7	45.7	38.3	29.8	38
40		69.5	63	59	56.7	55.9	55.5	54.2	50.7	44.5	37.4	29.4	40
45		57.2	53.2	48.5	46.8	46.5	46.6	45.8	45.6	41.3	35.2	28.1	45
50			47.6	40.4	39.6	39.2	40	39	39.7	38	33.2	26.8	50
55			41.6	35	36.2	33.2	36.5	33.5	34.3	34.1	31.4	25.5	55
60				32.4	33.3	29	33.4	30.7	29.8	29.7	29.4	24.1	60
65				30.2	30.8	26.8	30.1	28.4	26.7	27.7	26.7	22.9	65
70				28.4	27.6	24.9	26.8	26.3	24.8	25.7	23.8	21.7	70
75					24.5	23.2	23.7	24	23.1	23.3	21.1	20.2	75
80					21.7	21.7	20.8	21.7	21.5	20.9	18.8	18.4	80
85					19.3	20.1	18.5	20.4	19.9	18.8	16.7	16.4	85
90						18.1	17.4	18.8	18	16.9	14.9	14.6	90
95						16.5	16.4	17.1	16.2	15.2	13.3	13	95
100						15.7	15.3	15.4	14.4	13.7	11.8	11.5	100
105							14.1	13.8	12.9	12.1	10.4	10.2	105
110							12.8	12.5	11.5	10.7	9	8.8	110
115							11.6	11.3	10.3	9.5	7.8	7.6	115
120								10.2	9.2	8.4	6.8	6.6	120
125								9.2	8.2	7.3	5.9	5.7	125
130								8.3	7.3	6.5	5.1	4.9	130
135									6.4	5.8	4.4	4.2	135
140									5.7	5.1	3.7	3.5	140
145										4.4	3.1		145
150										3.7	2.4		150
155										3.1			155
I	0	0/ 0	46/ 0	92/ 0	92/ 0	92/ 0/ 0	92/ 0/ 0	92/ 0/ 0	92/ 0	92/46	92	100	I
II	0	46/ 0	46/ 0	46/ 0	92/ 0	92/ 0/ 0	92/92/ 0	92/92/46	92/92	92/92	92	100	II
III	0	0/ 0	0/ 0	0/ 0	0/92	46/92/46	46/92/92	92/92/92	92/92	92/92	92	100	III
IV	0	0/ 0	0/46	0/46	0/46	0/92/92	46/46/92	46/92/92	46/92	92/92	92	100	IV
V	0	0/46	0/46	0/92	0/46	0/46/92	0/46/92	0/46/92	46/92	46/92	92	100	V

TAB 103155


43 ft – 197 ft


360°


24 250 lbs

85%

↔ ft	43 ft	57 ft	72 ft	86 ft	100 ft	114 ft	128 ft	142 ft	156 ft	171 ft	185 ft	197 ft	↔ ft
10	281												10
11	265												11
12	250	246											12
13	237	231											13
14	224	219	206	170									14
15	211	208	195	165	140								15
16	200	198	189	159	136								16
17	189	188	178	152	132	113							17
18	179	178	165	143	127	111							18
20	160	158	139	126	116	106	92						20
22	143	136	120	110	102	96	89						22
24	127	118	105	96	90	86	83	73.5					24
26	113	104	92	84.5	79	76	74	70					26
28	99	93.5	82	75	70.5	68.5	66.5	65	60.5				28
30	85.5	88.5	72.5	66.5	63	61	61.5	57.9	57.4	50.1			30
32	75.5	80	68.5	59.5	57.8	55.3	58.6	52.9	52.6	49.1			32
34		72.5	65	53.9	55.2	50.4	55.2	50.6	48.5	46.8	40.1	30.6	34
36		65.5	61.5	50.2	52.8	46.2	51.5	48.4	45	43.6	39.2	30.2	36
38		58.7	57.8	48	50.4	44	47.8	46.1	41.4	40.5	38.3	29.8	38
40		52.7	54.1	46	48	42	44.3	43.7	38.3	38.3	37	29.4	40
45		42.2	43.4	41.6	41.5	37.9	37.1	36.9	35.5	34.4	31.8	28.1	45
50			35.7	37.3	35.6	34.3	31.5	32.7	31.4	29.9	27.2	25.6	50
55			30.7	32.7	30.3	30.4	28.7	29.5	27.3	25.8	23.3	22.6	55
60				27.8	25.9	26.3	26.2	25.7	23.7	22.3	20	19.4	60
65				24	22.1	22.9	23.6	22.5	20.7	19.4	17.2	16.7	65
70				21	19.1	20	21	19.9	18.1	17	14.8	14.4	70
75					17.8	19.1	18.5	17.6	15.9	14.8	12.8	12.4	75
80					16.3	16.8	16.3	15.6	13.9	12.9	10.9	10.6	80
85					14.3	14.8	14.2	13.8	12.2	11.2	9.3	9	85
90						13.1	12.5	12.1	10.7	9.7	7.8	7.6	90
95						11.6	11	10.6	9.2	8.3	6.5	6.3	95
100						10.2	9.6	9.3	7.9	7	5.4	5.2	100
105							8.4	8	6.7	5.9	4.4		105
110							7.4	7	5.8	5	3.5		110
115							6.4	6.1	5	4.2			115
120								5.3	4.2	3.4			120
125								4.5	3.5				125
130								3.8	2.8				130
I	0	0/ 0	46/ 0/ 0	92/ 0	92/ 0/ 0	92/ 0/ 0	92/ 0/ 0	92/ 0/ 0	92/ 0	92/46	92	100	I
II	0	46/ 0	46/ 0/ 0	46/ 0	92/ 0/ 0	92/ 0/ 0	92/92/ 0	92/92/46	92/92	92/92	92	100	II
III	0	0/ 0	0/ 0/ 0	0/ 0	0/92/ 0	46/92/46	46/92/92	92/92/92	92/92	92/92	92	100	III
IV	0	0/ 0	0/46/ 0	0/46	0/46/92	0/92/92	46/46/92	46/92/92	46/92	92/92	92	100	IV
V	0	0/46	0/46/92	0/92	0/46/92	0/46/92	0/46/92	0/46/92	46/92	46/92	92	100	V


%


%

TAB 103186


43 ft – 197 ft


360°


0 lbs

85%

ft	43 ft	57 ft	72 ft	86 ft	100 ft	114 ft	128 ft	142 ft	156 ft	171 ft	185 ft	197 ft	ft
10	276												10
11	260												11
12	245	244											12
13	229	228											13
14	216	213	188	160									14
15	203	197	165	144	129								15
16	190	175	148	130	118								16
17	177	158	134	119	108	99.5							17
18	162	144	123	108	98.5	91.5							18
20	134	117	101	89	81	76.5	77.5						20
22	114	103	88	75.5	75.5	66	70						22
24	96	92.5	81.5	66.5	70.5	62	62.5	59.8					24
26	81.5	79.5	74	63.5	65	58.6	55.6	53.7					26
28	70	70	66	60.5	58.5	54.8	50	48.6	45.7				28
30	60	61.5	58.4	57	52.3	50.7	45	45.3	43.1	40.2			30
32	51.9	55.1	52.4	52.8	47.3	46.1	43.2	42.4	39.5	36.8			32
34		49.5	47.6	48.8	43.2	42.2	40.9	39.5	36.3	33.9	30.4	29.2	34
36		44.7	43.5	44.9	39.6	38.9	38.1	36.6	33.6	31.3	28.1	27	36
38		39.8	40.3	41	36.1	37.1	35.4	33.6	30.9	28.8	25.7	24.7	38
40		35.4	37.2	37.5	32.9	35.2	32.8	31	28.4	26.4	23.5	22.6	40
45		27.6	29.9	31	29.5	29.3	27.3	25.8	23.5	21.8	19.2	18.5	45
50			24.2	25.9	25.3	24.8	23	21.7	19.6	18.2	15.7	15.2	50
55			19.6	21.6	21.4	21	19.4	18.3	16.4	15.1	12.8	12.3	55
60				18	18.1	17.9	16.5	15.5	13.7	12.5	10.3	9.9	60
65				15	15.3	15.4	14	13.1	11.4	10.3	8.3	7.9	65
70				12.6	12.9	13.3	12	11.1	9.5	8.5	6.5	6.3	70
75					10.8	11.3	10.2	9.4	7.9	6.9			75
80					9	9.6	8.5	7.9	6.4	5.5			80
85					7.5	8	7	6.5	5.1	4.2			85
90						6.8	5.9	5.4					90
95						5.6	4.9	4.4					95
100						4.6	4						100
I	0	0/ 0	46/ 0/ 0	92/ 0	92/ 0/ 0	92/ 0/ 0	0/ 0	0/ 0	0	46	92	100	I
II	0	46/ 0	46/ 0/ 0	46/ 0	92/ 0/ 0	92/ 0/ 0	92/ 0	92/46	92	92	92	100	II
III	0	0/ 0	0/ 0/ 0	0/ 0	0/92/ 0	46/92/46	92/92	92/92	92	92	92	100	III
IV	0	0/ 0	0/46/ 0	0/46	0/46/92	0/92/92	46/92	92/92	92	92	92	100	IV
% V	0	0/46	0/46/92	0/92	0/46/92	0/46/92	46/92	46/92	92	92	92	100	V %

TAB 103187

Remarks referring to load charts.

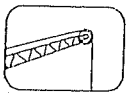
1. The tabulated lifting capacities do not exceed 85 % of the tipping load.
2. The crane's structural steelwork is in accordance with DIN 15018, part 3. Design and construction of the crane comply with DIN 15018, part 2, and with F. E. M. regulations.
3. The 85 % overturning limit values take into account 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 are subject to modifications.
9. Lifting capacities above 317 kips only with 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. Le 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. Les forces de levage sont modifiables sans préavis.
9. Forces de levage plus de 317 kips seulement avec équipement supplémentaire.

Forces de levage à la flèchette pliante.


142 ft – 197 ft


0°/15°/30°/45°
40 ft


360°


110 230 lbs

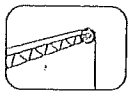
85%

ft	142 ft				156 ft				171 ft				185 ft				197 ft				ft
	40 ft				40 ft				40 ft				40 ft				40 ft				
	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	
28	36.4				31.5																28
30	36.4				31.5				26.7												30
32	36.4				31.5				26.7												32
34	36.2	30.3			31.5				26.7				21.8								34
36	36	30.3			31.5				26.7				21.8								36
38	35.8	30.3			31.5				26.7				21.8								38
40	35.5	30.1			31.5	27.9			26.7	24.3			21.8				17				40
45	34.5	28.7			31.1	27.9			26.7	24.3			21.8				17				45
50	33.5	27.3	21		30.4	26.8	20.7		26.7	23.5	20.2		21.5	19.6			16.3	13.7			50
55	32.6	26	20.2	16.7	29.7	25.6	19.9	16.5	26	22.6	19.6	16.1	20.9	18.6	16		15.3	12.8	11.3		55
60	31.6	24.8	19.4	16.3	29	24.5	19.2	16	24.7	21.7	19.1	15.7	19.9	17.7	15.4	12.8	14.3	11.9	10.6	9.2	60
65	30.7	23.7	18.7	15.9	28.2	23.4	18.6	15.6	23.4	20.7	18.5	15.3	18.8	16.7	14.9	12.4	13.3	11.2	10	8.8	65
70	29	22.6	18.1	15.5	26.8	22.5	17.9	15.3	22.2	19.8	17.9	15	17.9	15.9	14.1	12	12.4	10.5	9.4	8.4	70
75	27.1	21.6	17.5	15.1	25.2	21.6	17.4	14.9	21.1	18.9	17.4	14.6	16.9	15.1	13.5	11.6	11.6	9.8	8.9	8	75
80	25.2	20.7	16.9	14.7	23.6	20.7	16.8	14.6	20	18.1	16.8	14.2	16	14.3	13	11.2	10.9	9.3	8.4	7.7	80
85	23.5	19.9	16.4	14.3	22	19.9	16.3	14.3	19	17.2	16.1	13.9	15.2	13.6	12.4	10.8	10.2	8.7	7.9	7.3	85
90	21.9	19.2	16	14	20.6	19.2	15.9	13.9	18.1	16.5	15.4	13.7	14.4	12.9	11.8	10.5	9.5	8.2	7.6	7	90
95	20.4	18.6	15.6	13.6	19.2	18.5	15.4	13.6	17.1	15.7	14.7	13.4	13.7	12.3	11.3	10.1	9	7.8	7.2	6.7	95
100	19	18	15.2	13.3	18	17.7	15.1	13.3	16.2	15	14.1	13	13	11.8	10.8	9.8	8.5	7.4	6.9	6.4	100
105	17.8	17.5	14.9	13	16.8	16.7	14.7	13	15.1	14.4	13.5	12.6	12.4	11.2	10.4	9.5	8	7.1	6.6	6.1	105
110	16.6	16.5	14.7	12.7	15.7	15.6	14.4	12.7	14.1	13.8	13	12.2	11.8	10.7	10	9.1	7.6	6.7	6.3	5.9	110
115	15.5	15.6	14.4	12.4	14.7	14.6	14.1	12.4	13.2	13.2	12.5	119	11.2	10.3	9.6	8.7	7.2	6.4	6	5.7	115
120	14.5	14.7	14.1	12	13.7	13.7	13.6	12	12.3	12.7	12.1	11.5	10.7	9.9	9.1	8.3	6.8	6.1	5.8	5.5	120
125	13.6	13.8	13.5	11.8	12.8	12.8	13.1	11.6	11.4	12	11.6	11.1	10.2	9.4	8.7	7.9	6.5	5.9	5.6	5.3	125
130	12.7	13	13	11.5	12	12.1	12.2	11.3	10.7	11.3	11.2	10.8	9.8	9	8.2	7.5	6.2	5.7	5.4	5.1	130
135	11.9	12.2	12.2	11.1	11.3	11.4	11.4	10.9	10	10.6	10.7	10.4	9.4	8.5	7.7	7.2	5.9	5.5	5.1	4.8	135
140	11.2	11.4	11.4	10.8	10.5	10.6	10.7	10.5	9.4	9.9	10.2	10	8.9	7.9	7.3	6.9	5.7	5.2	4.8	4.5	140
145	10.4	10.7	10.7	10.4	9.9	10	10	10.1	8.8	9.3	9.5	9.4	8.3	7.5	6.9	6.5	5.5	4.9	4.5	4.2	145
150	9.5	10	10	9.8	9.3	9.3	9.3	9.5	8.2	8.8	9	8.8	7.8	7	6.5	6.2	5.3	4.6	4.2	3.9	150
155	8.6	9	9.2	9.2	8.7	8.8	8.8	8.9	7.7	8.2	8.4	8.3	7.3	6.7	6.2	5.9	5	4.3	3.9	3.6	155
160	7.8	8.1	8.3		8.1	8.2	8.2	8.3	7.3	7.7	7.9	7.8	6.9	6.3	5.8	5.6	4.6	3.9	3.6	3.4	160
165					7.5	7.7	7.7	7.8	6.8	7.2	7.4	7.3	6.5	5.9	5.6	5.4	4.2	3.6	3.4	3.2	165
170					6.9	7.1	7.2	7.3	6.5	6.8	7	6.8	6.1	5.6	5.3	5.1	3.9	3.4	3.1	2.9	170
175					6.3	6.6	6.7		6.2	6.4	6.5	6.4	5.7	5.3	5	4.9	3.6	3.1	2.9	2.8	175
180									5.9	6	6.1	6	5.4	5	4.8	4.8	3.3	2.8	2.7	2.6	180
185									5.6	5.6	5.7		5.1	4.8	4.6	4.6	3	2.6	2.4	2.4	185
190									5.4	5.3	5.4		4.8	4.6	4.4	4.4	2.8	2.4	2.2	2.2	190
195													4.6	4.4	4.2	4.3	2.5	2.2			195
200													4.3	4.2	4.1	4.1	2.3				200

%																	
I	92				92				92/46				92				100				I
II	92				92				92/92				92				100				II
III	92				92				92/92				92				100				III
IV	46				46				92/92				92				100				IV
V	0				46				46/92				92				100				V

TAB 103168/103170/103172/103174


142 ft – 197 ft


0°/15°/30°/45°
72 ft*


360°


110 230 lbs

85%

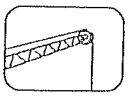
ft	142 ft				156 ft				171 ft				185 ft				197 ft				ft
	72 ft				72 ft				72 ft				72 ft				72 ft				
	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	
30	14.6																				30
32	14.6																				32
34	14.6				14.1																34
36	14.6				14.1																36
38	14.6				14.1																38
40	14.6				14.1				13.3				12.1				10.9				40
45	14.6				14.1				13.3				12.1				10.9				45
50	14.6				14.1				13.2				12				10.8				50
55	14.6	12.9			14.1	12.2			13	11.3			11.8				10.4				55
60	14.6	12.6			14.1	11.9			12.8	11.1			11.6	9.7			9.8	7.9			60
65	14.6	12.2			14.1	11.6			12.6	10.8			11.5	9.5			9.2	7.5			65
70	14.4	11.9	9.8		13.8	11.3	9.3		12.5	10.5			11.3	9.3			8.6	7.1			70
75	14.1	11.6	9.7		13.5	11	9.1		12.3	10.3	8.6		11.1	9.1	7.7		8.1	6.7	5.7		75
80	13.8	11.3	9.5	8.5	13.2	10.8	8.9	8.2	12.1	10.1	8.5	7.7	10.9	8.9	7.5		7.6	6.3	5.4		80
85	13.4	11	9.3	8.3	12.8	10.5	8.8	8	11.9	10	8.3	7.5	10.6	8.7	7.4		7.2	6	5.1		85
90	13	10.7	9.1	8.1	12.5	10.3	8.6	7.8	11.7	9.8	8.2	7.3	10.1	8.6	7.2	6.7	6.8	5.7	4.9	4.2	90
95	12.6	10.4	8.9	8	12.2	10.1	8.4	7.7	11.5	9.6	8.1	7.2	9.7	8.3	7.1	6.6	6.4	5.4	4.7	4.1	95
100	12.2	10.2	8.7	7.8	11.8	9.8	8.3	7.5	11.2	9.4	7.9	7	9.2	8	7	6.4	6.1	5.1	4.4	3.9	100
105	11.8	9.9	8.5	7.7	11.5	9.6	8.1	7.3	10.8	9.2	7.8	6.8	8.8	7.7	6.8	6.2	5.7	4.9	4.2	3.7	105
110	11.5	9.7	8.3	7.5	11.2	9.3	8	7.2	10.3	8.9	7.7	6.6	8.4	7.4	6.6	6	5.4	4.6	4	3.6	110
115	11.2	9.5	8.1	7.4	10.9	9.1	7.8	7	9.8	8.6	7.5	6.5	8	7	6.4	5.9	5.2	4.4	3.8	3.5	115
120	10.8	9.1	7.9	7.2	10.6	8.9	7.7	6.8	9.4	8.3	7.3	6.3	7.7	6.8	6.1	5.7	4.9	4.2	3.7	3.3	120
125	10.5	8.7	7.7	7.1	10.4	8.6	7.5	6.7	9	8	7.1	6.1	7.3	6.5	5.9	5.5	4.6	4	3.5	3.1	125
130	10.3	8.2	7.5	6.9	10.1	8.3	7.3	6.5	8.6	7.7	6.9	6	7	6.3	5.7	5.4	4.4	3.8	3.4	3	130
135	10	7.8	7.3	6.8	9.9	8.1	7	6.4	8.3	7.4	6.6	5.8	6.7	6	5.5	5.2	4.2	3.6	3.2	2.9	135
140	9.7	7.5	7.1	6.7	9.5	7.8	6.8	6.2	8	7.1	6.4	5.7	6.5	5.8	5.3	5	4	3.5	3.1	2.8	140
145	9.5	7.1	6.9	6.6	8.9	7.5	6.6	6.1	7.7	6.8	6.2	5.5	6.2	5.6	5.2	4.8	3.8	3.3	2.9	2.7	145
150	9	6.8	6.7	6.4	8.4	7.3	6.4	5.9	7.4	6.5	6	5.4	6	5.5	5	4.6	3.6	3.1	2.8	2.6	150
155	8.5	6.5	6.5	6.3	7.9	7	6.2	5.8	7.1	6.2	5.7	5.2	5.8	5.3	4.8	4.5	3.4	3	2.7	2.5	155
160	8	6.2	6.4	6.2	7.4	6.8	6.1	5.7	6.7	5.9	5.6	5.1	5.6	5.1	4.6	4.3	3.3	2.9	2.6	2.3	160
165	7.5	6	6.2	6.1	7	6.5	5.9	5.5	6.4	5.7	5.4	5	5.4	4.8	4.5	4.1	3.1	2.7	2.4		165
170	7.1	5.7	6	6.1	6.6	6.3	5.7	5.4	6.1	5.4	5.2	4.8	5.2	4.5	4.3	3.9	3	2.6	2.3		170
175	6.7	5.6	5.9	6	6.2	6.1	5.6	5.2	5.8	5.2	5	4.7	4.9	4.2	4.2	3.8	2.8	2.5			175
180	6.3	5.5	5.7	5.9	5.9	5.8	5.4	5.1	5.6	4.9	4.8	4.6	4.6	4	4.1	3.7	2.7	2.3			180
185	5.9	5.3	5.6		5.6	5.5	5.3	5	5.3	4.7	4.7	4.4	4.3	3.7	3.9	3.5	2.6				185
190	5.4	5.1	5.4		5.3	5.2	5.1	4.9	5	4.4	4.5	4.3	4	3.5	3.7	3.4	2.4				190
195	4.9	4.9			5	4.9	4.9	4.7	4.7	4.2	4.3	4.2	3.7	3.3	3.6	3.2	2.2				195
200					4.7	4.7	4.6		4.5	4	4.1	4	3.5	3.1	3.4	3.1					200
205					4.3	4.4			4.2	3.7	3.9	3.8	3.3	2.9	3.1	2.9					205
210									3.9	3.5	3.7		3	2.7	2.9	2.8					210
215									3.5	3.3	3.5		2.8	2.6	2.8	2.7					215
220									3.3	3.1	3.3		2.7	2.5	2.6	2.5					220
225													2.5	2.4	2.5						225
230													2.4	2.2	2.4						230
235													2.2	2.2	2.2						235

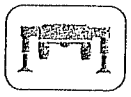
I	92	92	92/46	92	100	I
II	92	92	92/92	92	100	II
III	92	92	92/92	92	100	III
IV	46	46	92/92	92	100	IV
V %	0	46	46/92	92	100	V %

* bi-parted folding jib / fléchette pliante à 2 éléments

TAB 103168 / 103170 / 103172 / 103174


142 ft – 197 ft


0°/15°/30°/45°
95 ft*




360°


110 230 lbs

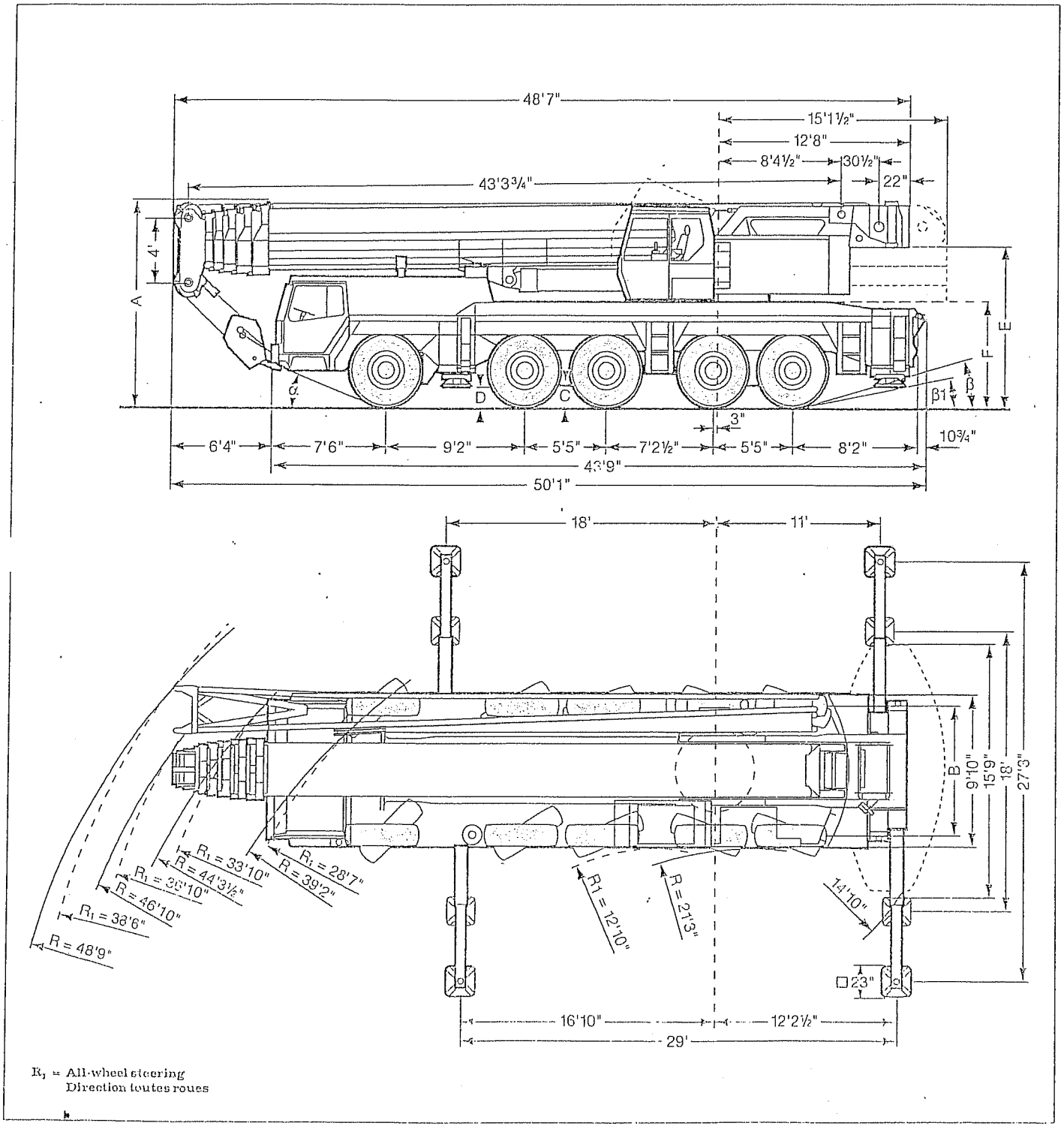
85%

ft	142 ft				156 ft				171 ft				185 ft				197 ft		ft
	95 ft				95 ft				95 ft				95 ft				95 ft		
	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	
40	11.2				10.2				9.2										40
45	11.2				10.2				9.2										45
50	11.2				10.2				9.2				8.3				7.3		50
55	11.2				10.2				9.2				8.3				7.3		55
60	11.2	10.1			10.2	9.2			9.2				8.3				7.2		60
65	11.2	9.8			10.2	9.1			9.2				8.3				6.8		65
70	11.2	9.5			10.2	8.9			9.2	8.1			8.2	6.6			6.4	4.9	70
75	11.1	9.2			10.2	8.6			9.2	7.9			8	6.4			6.1	4.8	75
80	11	9	7.3		10.2	8.4	6.8		9.2	7.7			7.9	6.3			5.7	4.6	80
85	10.7	8.7	7.2		10	8.2	6.7		9.2	7.5			7.7	6.1			5.4	4.3	85
90	10.4	8.5	7.1		9.8	8	6.6		9	7.3	6.1		7.5	6	5.3		5.1	4.1	90
95	10.1	8.2	6.9		9.5	7.8	6.4		8.9	7.2	6		7.3	5.9	5.3		4.8	3.9	95
100	9.8	8	6.7	5.6	9.3	7.6	6.3	5.3	8.6	7	5.8	4.8	7	5.8	5.2		4.5	3.6	100
105	9.5	7.8	6.6	5.6	9	7.5	6.1	5.3	8.4	6.8	5.6	4.8	6.7	5.6	5	4.1	4.3	3.4	105
110	9.2	7.6	6.4	5.4	8.8	7.3	5.9	5.2	8.1	6.6	5.4	4.7	6.4	5.4	4.8	4.1	4	3.2	110
115	9	7.4	6.2	5.2	8.6	7.1	5.8	5	7.8	6.4	5.3	4.6	6.1	5.2	4.7	4	3.8	3	115
120	8.7	7.3	6.1	5	8.3	6.9	5.6	4.8	7.5	6.2	5.1	4.6	5.9	5	4.5	4	3.6	2.9	120
125	8.4	7.1	5.9	4.8	8.1	6.8	5.5	4.7	7.2	6.1	4.9	4.5	5.6	4.9	4.3	3.9	3.3	2.7	125
130	8.2	6.9	5.8	4.7	7.9	6.6	5.3	4.6	6.9	5.9	4.8	4.4	5.4	4.7	4.2	3.8	3.1	2.5	130
135	7.9	6.7	5.6	4.6	7.7	6.4	5.2	4.5	6.6	5.7	4.6	4.3	5.2	4.5	4	3.6	3		135
140	7.7	6.5	5.5	4.5	7.5	6.2	5	4.4	6.3	5.5	4.5	4.2	5	4.3	3.9	3.5	2.8		140
145	7.5	6.3	5.3	4.4	7.3	6	4.9	4.4	6.1	5.3	4.3	4.1	4.8	4.2	3.8	3.4	2.6		145
150	7.3	6.1	5.2	4.4	7.1	5.9	4.7	4.3	5.8	5.1	4.2	4	4.6	4	3.6	3.3	2.4		150
155	7.1	5.9	5.1	4.3	6.9	5.7	4.6	4.2	5.6	4.9	4	3.9	4.4	3.9	3.5	3.2	2.3		155
160	6.8	5.7	4.9	4.2	6.5	5.5	4.5	4.2	5.4	4.7	3.9	3.8	4.2	3.8	3.4	3.1			160
165	6.4	5.5	4.8	4.2	6.1	5.3	4.3	4.2	5.2	4.6	3.8	3.7	4.1	3.6	3.2	2.9			165
170	5.9	5.4	4.7	4.1	5.6	5.1	4.2	4.1	5	4.4	3.7	3.6	3.9	3.5	3.1	2.8			170
175	5.5	5.2	4.6	4.1	5.2	4.9	4.1	4.1	4.7	4.2	3.5	3.5	3.8	3.4	3	2.6			175
180	5.1	4.9	4.5	4	4.8	4.7	4	4	4.4	4	3.4	3.4	3.6	3.2	2.9	2.4			180
185	4.8	4.6	4.3	4	4.5	4.3	3.9	4	4	3.8	3.3	3.4	3.5	3.1	2.8	2.3			185
190	4.5	4.4	4.2	3.9	4.2	4	3.8	3.9	3.7	3.6	3.2	3.3	3.3	2.9	2.7	2.2			190
195	4.2	4.1	4	3.9	3.9	3.7	3.6	3.9	3.4	3.3	3.1	3.2	3.2	2.7	2.6				195
200	4	4	3.9	3.8	3.6	3.5	3.4	3.8	3.2	3	3	3.1	3.1	2.6	2.5				200
205	3.8	3.8	3.7		3.4	3.3	3.3	3.6	2.9	2.8	2.7	3	2.9	2.4	2.4				205
210	3.7	3.6	3.6		3.2	3.1	3.1	3.4	2.8	2.6	2.5	2.9	2.6		2.3				210
215	3.5	3.5	3.4		3	2.9	2.9	3.2	2.7	2.5	2.3	2.8	2.4		2.2				215
220					2.8	2.8	2.8		2.6	2.3	2.2	2.7	2.2						220
225					2.7	2.6	2.6		2.4			2.6							225
230									2.3										230
235									2.2										235
I	92				92				92/46				92				100		I
II	92				92				92/92				92				100		II
III	92				92				92/92				92				100		III
IV	46				46				92/92				92				100		IV
V	0				46				46/92				92				100		V

* three-parted folding jib / fléchette pliante à 3 éléments

TAB 103168 / 103170 / 103172 / 103174

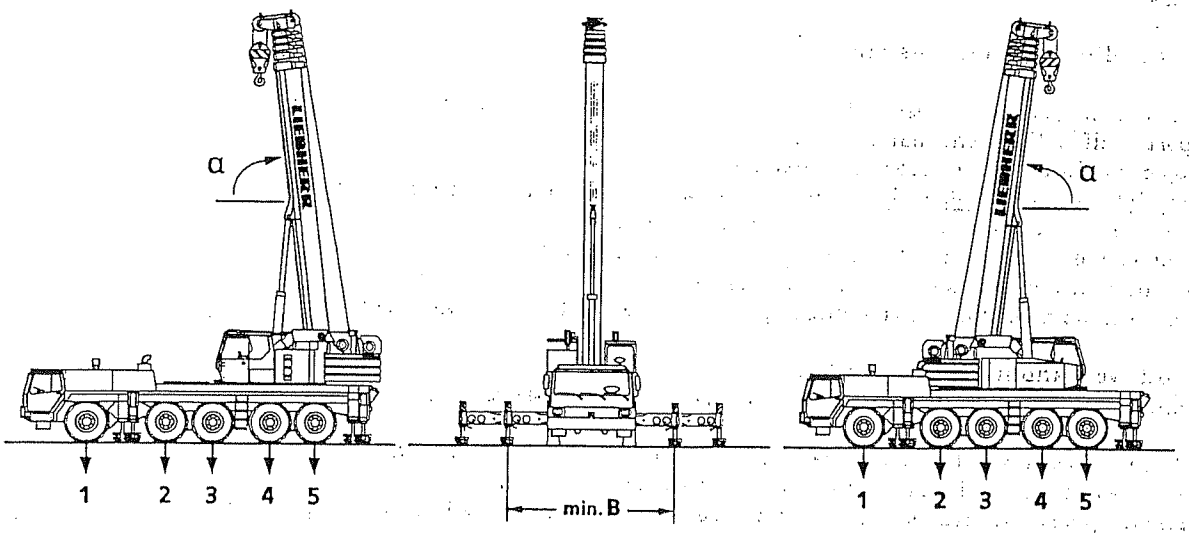
Dimensions.
Encombrement.



R1 = All-wheel steering
Direction toutes roues

	Dimensions / Encombrement mm									
	A	A 6"*	B	C	D	E	F	α	β	β1
16.00 R 25	13'2"	12'7½"	8'5"	13½"	14¾"	10'1"	6'11½"	23°	16°	11°

* lowered / abaissé



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Driving with a fully telescoped in telescopic boom T - 12.6 m (0 / 0 / 0 / 0 / 0)

Chart 1
In the chart, a pulley block weigh t of 1000 kg on the boom head has been taken into consideration.
Slight increase of axle load if folding jib* is installed on the side on the telescopic boom .

Boom to the front				
Counter-weight [t]	Telescopic angle ∡ α to horizontal	minimum supporting width min. B [m]	maximum axle load [t] Axle 1 ··· 3	Axle 4+5
35.0	–	–	–	–
25.2	0° ···· 38° 0° ···· 11°	2.7 2.7	9 9	29 27
15.0	0° ···· 55° 0° ···· 21°	2.7 2.7	10 10	24 19
7.0	0° ···· 66° 0° ···· 23°	2.7 2.7	12 12	19 13
5.0	0° ···· 68° 0° ···· 27°	2.7 2.7	12 12	18 12
0.0	0° ···· 74° 0° ···· 45°	2.7 2.7	13 12	17 12

Boom to the rear				
Counter-weight [t]	Telescopic angle ∡ α to horizontal	minimum supporting width min. B [m]	maximum axle load [t] Axle 1 ··· 3	Axle 4+5
35.0	0° ···· 83° 69° ···· 79°	2.7 2.7	19 18	26 18
25.2	0° ···· 83° 76° ···· 83°	2.7 2.7	16 16	25 16
15.0	21° ···· 83° 83°	2.7 2.7	13 13	24 14
7.0	52° ···· 83° 79° ···· 83°	2.7 2.7	11 11	19 14
5.0	57° ···· 83° 83°	2.7 2.7	11 11	18 13
0.0	66° ···· 83° 83°	2.7 2.7	9 9	17 13

* Optional