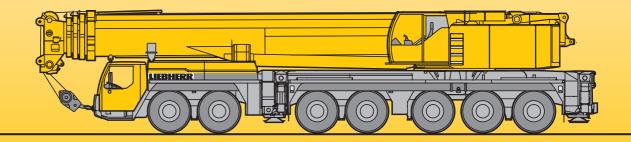
## LTM 1400-7.1

# Mobile Crane Grue mobile

Technical Data Caractéristiques techniques



# LIEBHERR

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

51 – 197 ft 360° 264600 lbs

0	S. S. S.	İ •••• İ	7		85%							
	51	ft	67 ft	84 ft	101 ft	118 ft	135 ft	152 ft	169 ft	186 ft	197 ft	1
π	*	l										<b>→</b>
9	970 940											9
10	748											11
11 12	615											12
13	539											13
14	529											14
15	528											15
16	526											16
17	515											17
18	499											18
20 22	469											20 22
22	443	392	391	385								22
24	414	380	379	374	300	262						24
26	383	357	357	354	329	274	209	177				26
28	357	337	336	334	320	266	202	172	143			28
30	332	317	317	315	306	255	193	166	142	445		30
32 34	310 292	300 285	299 284	297 282	294 281	245 236	186 178	161 156	137 134	115 114		32 34
36	276	271	270	268	268	227	170	151	130	111		36
38	260	256	256	254	255	219	164	146	126	109	94	38
40	200	250	243	240	242	211	158	141	123	106	93	40
45			217	213	215	194	144	130	115	100	88.5	45
50			194	192	192	180	135	119	107	95	83.5	50
55			174	174	172	167	127	110	99.5	90	79	55
60				157	155	155	120	102	93	84.5	75	60
65				142	140	143	114	94	86.5	79.5	71.5	65
70				130	128	131	108	87.5	81	75	67.5	70
75					118	120	103	81.5	76	70.5	64	75
80					110	110	97.5	76.5	71.5	66.5	60.5	80
85					104	102	93	72.5	67	63	57.3	85
90					97.5	94.5	88.5	69.5	63	59.5	54.6	90
95						88	84.5	66.5	59.1	56.4	51.9	95
100 105						82	81 78	63.5 61	55.6 52.6	53.3 50.4	49.2 46.6	100 105
110							74	58.2	49.8	48	44.2	110
115							69.5	56.2	49.6	45.6	44.2	115
120							65.5	54.4	45.2	43.3	40.1	120
125								52.7	43.2	41.2	38.3	125
130								51.1	41.7	39.1	36.6	130
135								49.6	40.3	37.1	34.9	135
140								46.5	38.9	35.3	33.3	140
145									37.6	33.8	31.7	145
150									36.3	32.4	30.2	150
155									35.1	31.1	29	155
160										29.8	28	160
165										28.5	26.9	165
170										27.2	25.8	170
175										26	24.8	175
180 185											23.8 22.3	180 185
190											19.4	190
ver rear / en	arriòro											146426 / 14

#### **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 445 kips / 529 kips only with additional pulley block / special equipment.

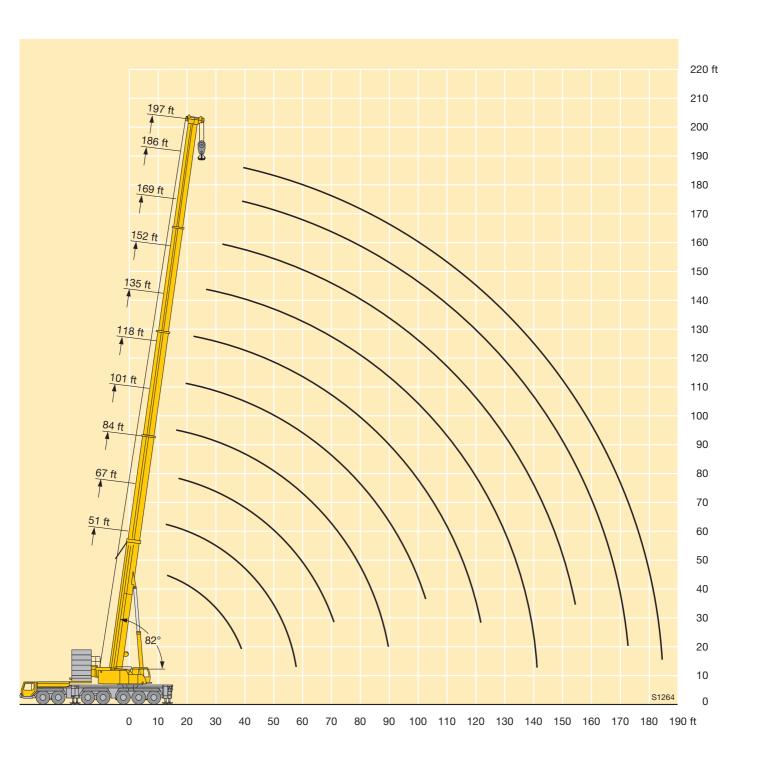
#### Lifting capacities on telescopic boom Forces de levage à la flèche télescopique

	51 – 197 ft	r <del>es</del> t	360°	220500 lbs	85%							
<u> </u>	NA. O	I" I	~~									
	51	l ft	67 ft	84 ft	101 ft	118 ft	135 ft	152 ft	169 ft	186 ft	197 ft	
π	070											<b>↔</b> ft
9 10	970 940	529										9 10
11	748	529	445									11
12	615	529	445									12
13	539	529	445	445								13
14	529	519	445	445	379							14
15	528	506	445	445	379							15
16	525	489	445	445	379							16
17	514	473	442	440	379	010						17
18	498	457 425	437	432	379 377	318 316						18
20 22	466 429	397	424 397	415 392	365	302	225					20 22
24	394	372	371	369	351	289	220					24
26	363	348	347	346	334	277	210	177				26
28	337	327	326	325	320	266	202	172	143			28
30	313	307	307	305	305	255	193	166	142			30
32	293	290	289	287	288	245	186	161	137	115		32
34	276	274	274	271	273	236	178	156	134	114		34
36 38	260 245	259 245	260 246	257 242	259 244	227 219	171 164	151 146	130 126	111 109	94	36 38
40	245	243	233	229	231	219	158	141	123	109	93	40
45			205	204	203	194	144	130	115	100	88.5	45
50			183	181	179	179	135	119	107	95	83.5	50
55			164	161	159	162	127	110	99.5	90	79	55
60				145	143	145	120	102	93	84.5	75	60
65				131	132	131	114	94	86.5	79.5	71.5	65
70				122	121	119	108	87.5	81	75	67.5	70
75					111	109	103	81.5	76	70.5	64	75
80 85					102 94	99.5 91.5	97.5 93	76.5 72.5	71.5 67	66.5 63	60.5 57.3	80 85
90					87.5	85	87	69.5	63	59.5	54.6	90
95					07.0	79	81	66.5	59.1	56.4	51.9	95
100						74	75.5	63.5	55.6	53.3	49.2	100
105							70.5	61	52.6	50.4	46.6	105
110							66	58.2	49.8	48	44.2	110
115							61.5	56.2	47.4	45.6	42.1	115
120 125							57.8	54.4	45.2	43.3	40.1	120
125								52.7 51.1	43.2 41.7	41.2 39.1	38.3 36.6	125 130
135								48.7	40.3	37.1	34.9	135
140								45.4	38.9	35.3	33.3	140
145									37.6	33.8	31.7	145
150									36.3	32.4	30.2	150
155									35.1	31.1	29	155
160										29.8	28	160
165										28.5	26.9	165
170 175										27.2 26	25.8 24.8	170 175
180										20	23.8	180
185											22.3	185
190											19.4	190

\* over rear / en arrière TAB 146427 / 146430

#### 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 445 kips / 529 kips seulement avec moufle additionnel / équipement supplémentaire.

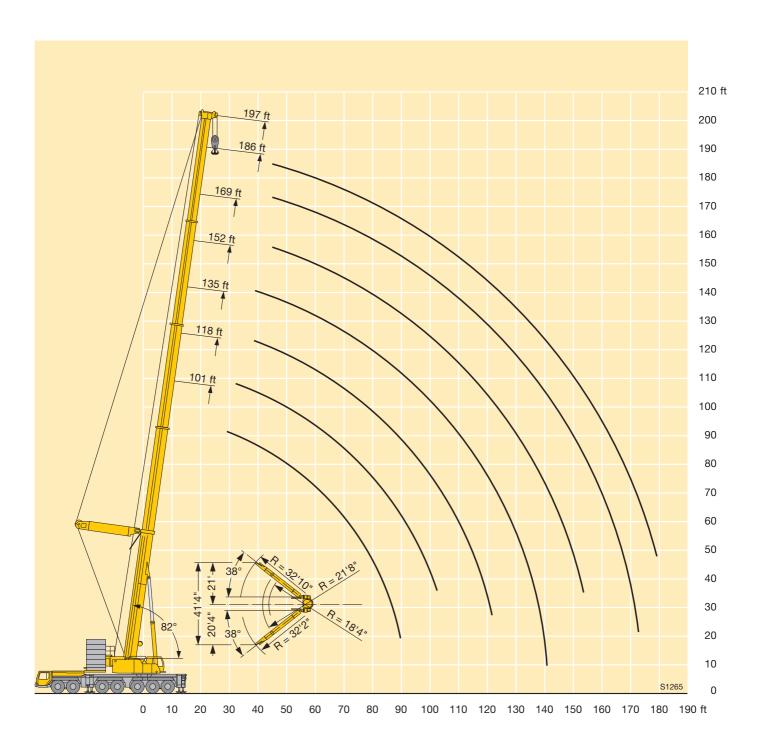


#### Lifting capacities on guyed telescopic boom Forces de levage à la flèche télescopique haubanée

16         416         17         413         1         16         17         413         18         408         361         18         20         396         360         20         20         396         360         20         20         22         377         351         320         22         24         357         339         313         22         22         24         367         339         312         290         252         28         28         319         312         290         252         28         30         301         261         299         280         250         28         28         339         313         30         301         261         299         280         250         28         28         34         270         286         272         251         260         234         207         201         34         36         257         273         259         251         250         227         201         36         38         244         261         240         220         215         195         166         152         38         34         20         231         243         248         230         2		101 – 197 1	38° Y	Ţ	Ţ	360°	308600		5%							
17	ft ft	10	1 ft	11	8 ft	13	5 ft	15	2 ft	*	9 ft	18 *	6 ft	19 *	7 ft	ft ft
18																
20																
22         377         351         320         313         22         24         367         324         301         26         28         319         324         301         26         28         319         312         290         250         28         28         30         301         261         299         280         250         211         207         324         32         32         285         284         285         251         270         242         211         207         34         32         32         38         244         261         220         227         201         34         36         227         273         259         251         250         227         201         36         38         244         261         246         251         240         220         215         195         166         152         38         36         227         231         249         234         248         230         213         213         13         190         164         151         45         40         231         249         234         240         221         216         195         195         178         176																18
24         357         339         313         252         28         28         28         28         28         319         312         290         252         28         28         285         284         285         284         285         284         285         284         285         284         285         284         285         284         285         284         285         281         270         242         211         30         30           34         270         286         272         251         260         224         201         36         257         273         259         251         250         227         201         36         36         257         273         259         251         250         227         201         36         36         257         273         259         224         207         216         195         195         166         152         38         34         45         205         223         209         224         207         216         195         195         178         176         154         163         142         141         45         50         184         200						000										
26         337         312         301         252         8         8         8         8         2         28         28         28         28         251         270         242         211         30         32         285         284         285         251         270         242         211         32         34         270         286         272         251         260         234         207         266         272         251         260         234         207         201         36         257         273         259         251         250         227         201         36         38         244         261         248         230         213         213         190         664         152         38         36           45         205         223         209         224         207         216         195         195         178         176         164         151         40         445         205         223         209         224         207         216         195         195         178         176         146         145         141         45         50         148         200         188																
28																
30								252								
32         285         284         285         251         270         242         211         207         34         32           34         270         286         272         251         260         234         207         201         36           38         244         261         246         251         240         220         215         195         166         152         38           40         231         249         234         248         230         213         213         190         166         152         38           40         231         249         234         248         230         213         213         190         166         152         38           40         231         249         234         248         230         213         213         190         164         151         141         40           45         205         223         209         224         207         216         195         195         178         176         154         163         133         161         141         146         135         140         143         143         146			261													
36					251			242		211						
38         244         261         246         251         240         220         215         195         166         152         4         38           40         231         249         234         230         213         213         190         164         151         4         40           45         205         223         209         224         207         216         195         195         178         176         154         153         142         141         45           50         184         200         188         203         188         200         181         181         167         167         146         146         135         135         50           55         166         180         169         184         170         182         167         169         157         157         137         137         127         128         128         152         140         153         140         148         135         137         123         123         115         115         65           70         127         138         127         140         128         141         128			286	272	251	260										
40         231         249         234         248         230         213         213         190         164         151         40           45         205         223         209         224         207         216         195         195         178         176         154         153         142         141         45           50         184         200         188         203         188         200         181         181         167         167         146         146         1435         135         50           55         166         180         169         184         170         182         167         169         157         157         137         137         128         128         128         55         60         152         163         153         167         154         166         153         158         146         147         130         130         121         121         120         160         151         140         148         135         137         123         123         115         115         65         65         70         127         138         127         140         128			-	259	251											
45         205         223         209         224         207         216         195         195         178         176         154         153         142         141         45           50         184         200         188         200         181         181         167         169         164         146         135         135         50           55         166         180         169         184         170         182         167         169         157         157         137         128         128         55           60         152         163         153         167         154         166         153         158         146         147         130         130         121         121         60           65         139         148         139         152         140         153         140         148         135         137         123         123         115         115         65           70         127         138         127         140         128         141         128         138         126         128         116         110         100         100         110 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>																
50         184         200         188         203         188         200         181         181         167         167         146         146         135         135         50           55         166         180         169         184         170         182         167         169         157         157         137         128         128         55           60         152         163         153         167         154         166         153         146         147         130         130         121         121         60           65         139         148         139         152         140         153         140         148         135         137         123         123         115         115         65           70         127         138         127         140         128         141         128         138         126         128         116         116         109         109         100           75         116         128         117         129         118         130         118         129         117         120         110         104         104         104 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>																
55         166         180         169         184         170         182         167         169         157         157         137         137         128         128         55           60         152         163         153         167         154         166         153         158         146         147         130         130         121         121         60           65         139         148         139         152         140         153         140         148         135         137         123         115         115         65           70         127         138         127         140         128         141         128         135         137         123         123         115         115         65           75         116         128         117         129         118         130         118         129         117         120         110         104																
60         152         163         153         167         154         166         153         158         146         147         130         130         121         121         60           65         139         148         139         152         140         153         140         148         135         137         123         123         115         115         65           70         127         138         127         140         128         141         128         138         126         128         116         116         109         109         70           75         116         128         117         129         118         130         118         129         117         120         110         104         104         70								-			-					
65         139         148         139         152         140         153         140         148         135         137         123         123         115         115         65           70         127         138         127         140         128         141         128         138         126         128         116         116         109         109         70           75         116         128         117         129         118         130         118         129         117         120         110         104         104         75           80         166         118         107         118         108         119         108         114         104         104         98.5         98.5         98.5         98.5         98.5         80           85         98         108         99         109         100         110         100         110         99.5         108         98         98.5         93.5         93.5         85           90         90.5         99         91.5         102         92.5         103         92.5         103         92.5         103         92.5					_											
70         127         138         127         140         128         141         128         138         126         128         116         116         109         109         70           75         116         128         117         129         118         130         118         129         117         120         110         104         104         75           80         106         118         107         118         108         119         108         114         104         104         104         75           80         106         118         107         118         108         119         108         114         104         104         104         104         75           80         106         118         109         100         110         100         110         99.5         108         98         98.5         98.5         80         80         89         90         99.5         108         98         98.5         93.5         93.5         85.5         93.5         93.5         93.5         93.5         93.5         93.5         93.5         93.5         93.5         93.5         93.5					_	_										
75         116         128         117         129         118         130         118         129         117         120         110         104         104         75           80         106         118         107         118         108         119         108         119         108         114         104         104         98.5         98.5         98.5         80           85         98         108         99         109         100         110         100         110         99.5         108         98         98.5         93.5         93.5         93.5         85           90         90.5         99         91.5         102         92.5         103         92.5         103         92.5         102         91         94         89         89         89         90           95         90.5         99         91.5         102         92.5         103         92.5         103         92.5         103         92.5         103         92.5         103         92.5         103         92.5         103         92.5         103         92.5         103         85.5         78.5         85.5         78.5 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>																
80         106         118         107         118         108         119         108         119         108         114         104         104         98.5         98.5         80           85         98         108         99         109         100         110         100         110         99.5         108         98         98.5         93.5         93.5         85           90         90.5         99         91.5         102         92.5         103         92.5         103         92         102         91         94         89         89         89         90           95         85         94.5         86         95.5         86         95.5         86.5         95         84.5         89.5         84         85         95           100         70         88         80         89         80         89         79.5         88.5         78.5         85.5         78.5         81.5         70.5         88         78.5         81.5         70.5         81.5         73.7         78         100           110         105         74.5         83         74.5         83         74.5 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>																
90         90.5         99         91.5         102         92.5         103         92.5         102         91         94         89         89         90           95         85         94.5         86         95.5         86         95.5         85.5         95         84.5         89.5         84         85         95           100         79         88         80         89         80         89         79.5         88.5         78.5         85.5         78.5         81.5         70.5         81.5         71.5         61.5         60.5         60.5         60.5         60.5         60.5         60.5         60.5         60.5 <td>80</td> <td></td> <td>118</td> <td>107</td> <td>118</td> <td>108</td> <td>119</td> <td>108</td> <td>119</td> <td>108</td> <td>114</td> <td></td> <td>104</td> <td>98.5</td> <td></td> <td></td>	80		118	107	118	108	119	108	119	108	114		104	98.5		
95         85         94.5         86         95.5         86         95.5         85.5         95         84.5         89.5         84         85         95           100         105         79         88         80         89         80         89         79.5         88.5         78.5         85.5         78.5         81.5         100           105         74.5         83         74.5         83         74         82.5         72.5         81.5         73         78         105           110         69.5         78         69.5         78         69         77.5         68         76         68         74.5         110           115         65         73         65         73         64.5         72.5         63.5         71.5         63.5         71         115           120         61         68.5         61         68.5         60         68         59.1         67         59.4         67         120           125         53.4         60.5         52.9         60         51.8         58.9         52.1         59.1         130           135         140         43.9 <td< td=""><td>85</td><td>98</td><td>108</td><td>99</td><td>109</td><td>100</td><td>110</td><td>100</td><td>110</td><td>99.5</td><td>108</td><td>98</td><td>98.5</td><td>93.5</td><td>93.5</td><td>85</td></td<>	85	98	108	99	109	100	110	100	110	99.5	108	98	98.5	93.5	93.5	85
100     79     88     80     89     80     89     79.5     88.5     78.5     85.5     78.5     81.5     100       105     74.5     83     74.5     83     74     82.5     72.5     81.5     73     78     105       110     69.5     78     69.5     78     69     77.5     68     76     68     74.5     110       115     65     73     65     73     64.5     72.5     63.5     71.5     63.5     71     115       120     61     68.5     61     68.5     60     68     59.1     67     59.4     67     120       125     56.9     64.5     56.4     64     55.3     62.5     55.5     63     125       130     50.2     57.1     49.7     56.6     48.6     55.4     48.8     55.6     135       140     43.9     48.3     46.7     53.3     45.6     52.2     45.8     52.4     140       145     44     50.3     42.8     49.1     43     49.4     44.5       150     41.4     47.6     40.2     46.3     40.4     46.6     150       155     3		90.5	99		-						-	-	-			
105       74.5       83       74.5       83       74       82.5       72.5       81.5       73       78       105         110       69.5       78       69.5       78       69       77.5       68       76       68       74.5       110         115       65       73       65       73       64.5       72.5       63.5       71.5       63.5       71       115         120       61       68.5       61       68.5       60       68       59.1       67       59.4       67       120         125       56.9       64.5       56.4       64       55.3       62.5       55.5       63       125         130       50.2       57.1       49.7       56.6       48.6       55.4       48.8       55.6       135         140       43.9       48.3       46.7       53.3       45.6       52.2       45.8       52.4       140         145       44       50.3       42.8       49.1       43       49.4       145         150       41.4       47.6       40.2       46.3       40.4       46.6       150         155       39.1																
110       69.5       78       69.5       78       69       77.5       68       76       68       74.5       110         115       65       73       65       73       64.5       72.5       63.5       71.5       63.5       71       115         120       61       68.5       61       68.5       60       68       59.1       67       59.4       67       120         125       56.9       64.5       56.4       64       55.3       62.5       55.5       63       125         130       53.4       60.5       52.9       60       51.8       58.9       52.1       59.1       130         135       50.2       57.1       49.7       56.6       48.6       55.4       48.8       55.6       135         140       43.9       48.3       46.7       53.3       45.6       52.2       45.8       52.4       140         145       44       50.3       42.8       49.1       43       49.4       145         150       39.1       44.6       37.8       43.7       38       44       155         160       39.1       44.6       37.8	100			79	88											
115     65     73     65     73     64.5     72.5     63.5     71.5     63.5     71     115       120     61     68.5     61     68.5     60     68     59.1     67     59.4     67     120       125     56.9     64.5     56.4     64     55.3     62.5     55.5     63     125       130     53.4     60.5     52.9     60     51.8     58.9     52.1     59.1     130       135     50.2     57.1     49.7     56.6     48.6     55.4     48.8     55.6     135       140     43.9     48.3     46.7     53.3     45.6     52.2     45.8     52.4     140       145     44     50.3     42.8     49.1     43     49.4     145       150     41.4     47.6     40.2     46.3     40.4     46.6     150       155     39.1     44.6     37.8     43.7     38     44     155       160     35.5     41.3     35.8     41.5     160       165     33.4     39     33.6     39.2     165       170     31.4     36.8     31.6     37.1     170																
120       61       68.5       61       68.5       60       68       59.1       67       59.4       67       120         125       56.9       64.5       56.4       64       55.3       62.5       55.5       63       125         130       53.4       60.5       52.9       60       51.8       58.9       52.1       59.1       130         135       50.2       57.1       49.7       56.6       48.6       55.4       48.8       55.6       135         140       43.9       48.3       46.7       53.3       45.6       52.2       45.8       52.4       140         145       44       50.3       42.8       49.1       43       49.4       145         150       41.4       47.6       40.2       46.3       40.4       46.6       150         155       39.1       44.6       37.8       43.7       38       44       155         160       35.5       41.3       35.8       41.5       160         165       31.4       36.8       31.6       37.1       170																
125       56.9       64.5       56.4       64       55.3       62.5       55.5       63       125         130       53.4       60.5       52.9       60       51.8       58.9       52.1       59.1       130         135       50.2       57.1       49.7       56.6       48.6       55.4       48.8       55.6       135         140       43.9       48.3       46.7       53.3       45.6       52.2       45.8       52.4       140         145       44       50.3       42.8       49.1       43       49.4       145         150       41.4       47.6       40.2       46.3       40.4       46.6       150         155       39.1       44.6       37.8       43.7       38       44       155         160       35.5       41.3       35.8       41.5       160         165       33.4       39       33.6       39.2       165         170       31.4       36.8       31.6       37.1       170																
130     53.4     60.5     52.9     60     51.8     58.9     52.1     59.1     130       135     50.2     57.1     49.7     56.6     48.6     55.4     48.8     55.6     135       140     43.9     48.3     46.7     53.3     45.6     52.2     45.8     52.4     140       145     44     50.3     42.8     49.1     43     49.4     145       150     41.4     47.6     40.2     46.3     40.4     46.6     150       155     39.1     44.6     37.8     43.7     38     44     155       160     35.5     41.3     35.8     41.5     160       165     33.4     39     33.6     39.2     165       170     31.4     36.8     31.6     37.1     170						01	00.5						-		_	
135       50.2       57.1       49.7       56.6       48.6       55.4       48.8       55.6       135         140       43.9       48.3       46.7       53.3       45.6       52.2       45.8       52.4       140         145       44       50.3       42.8       49.1       43       49.4       145         150       41.4       47.6       40.2       46.3       40.4       46.6       150         155       39.1       44.6       37.8       43.7       38       44       155         160       35.5       41.3       35.8       41.5       160         165       33.4       39       33.6       39.2       165         170       31.4       36.8       31.6       37.1       170	130															
140     43.9     48.3     46.7     53.3     45.6     52.2     45.8     52.4     140       145     44     50.3     42.8     49.1     43     49.4     145       150     41.4     47.6     40.2     46.3     40.4     46.6     150       155     39.1     44.6     37.8     43.7     38     44     155       160     35.5     41.3     35.8     41.5     160       165     33.4     39     33.6     39.2     165       170     31.4     36.8     31.6     37.1     170																
150     41.4     47.6     40.2     46.3     40.4     46.6     150       155     39.1     44.6     37.8     43.7     38     44     155       160     35.5     41.3     35.8     41.5     160       165     33.4     39     33.6     39.2     165       170     31.4     36.8     31.6     37.1     170	140										53.3					140
155     39.1     44.6     37.8     43.7     38     44     155       160     35.5     41.3     35.8     41.5     160       165     33.4     39     33.6     39.2     165       170     31.4     36.8     31.6     37.1     170										44		42.8	-	43	49.4	
160     35.5     41.3     35.8     41.5     160       165     33.4     39     33.6     39.2     165       170     31.4     36.8     31.6     37.1     170												40.2		-		
165 170   33.4   39   33.6   39.2   165 31.4   36.8   31.6   37.1   170										39.1	44.6					
170																
170 31.4 36.8 31.6 37.1 170																
	170															
175												20.5	26.3			

\* ballast retracted / contrepoids rétracté

28 | 33.2 | 180 TAB 146439 / 146434



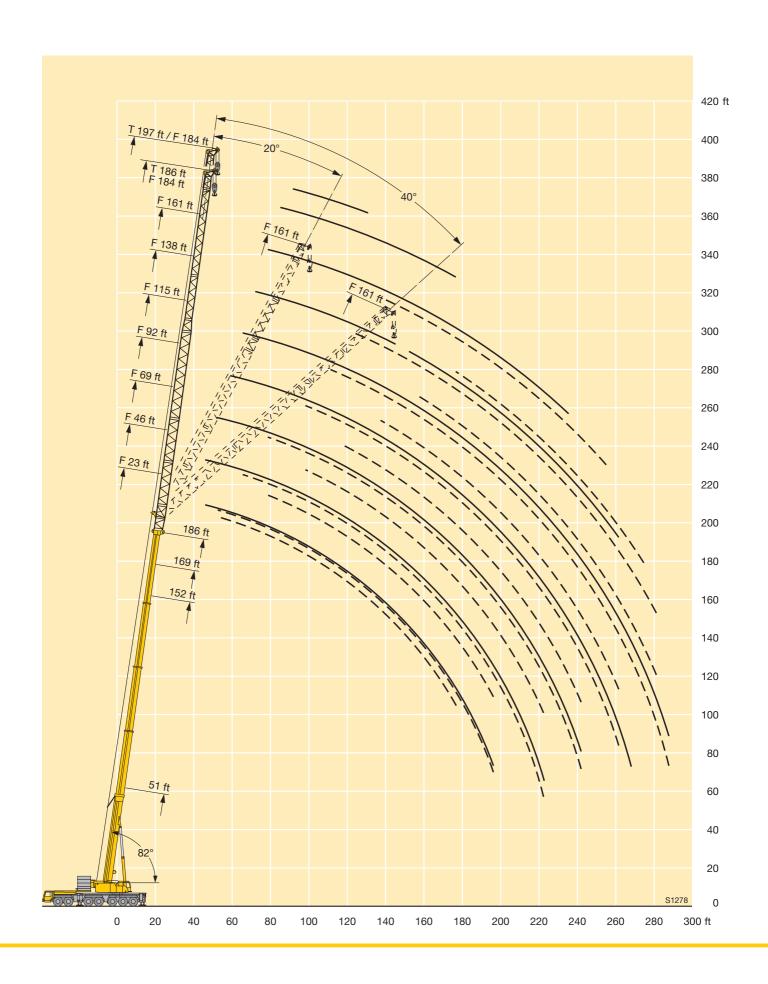
		51 ft	23 -	184 ft	ŢF	٦Ţ		360°	2646	600 lbs	85	5%											
<u> </u>			<b>1</b>								51 ft	+ 8 ft*											<u>A</u>
		23 ft			46 ft			69 ft			92 ft			115 ft	1		138 ft			161 ft		184 ft	
π	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	<b>→</b> 1
26	73																						26
28	69.5			CO E																			28
30 32	65.5 62	EO G		63.5			E 4 1			12.1			24 5			20.2							30 32
34	58.6	50.6 49.7		58.2			54.1 53.1			43.4 42.9			34.5			28.2							34
36	55.7	48.2		55.7			51.5			42.9			33.5			27.3							36
38	52.8	46.7		53.2			49.8			41.1			32.9			26.8			21			16.6	38
40	50.2	45.3		50.8			48.2			40.2			32.9			26.3			20.9			16.5	40
45	44.3	42.5	37.1	45.6	41.2		44.3			37.8			30.4			25.1			19.9			15.6	45
50	39.3	39.9		41.3	39		40.5			35.7			28.6			23.8			18.9			14.9	50
55	35.2	37	35.7	37.3	36.7		36.9	39		33.7			27			22.5			18			14.9	55
60	31.9	33.5	34.6	33.7	34.7	30	33.8	37.1		31.6	28.9		25.5			21.2			17.2			13.4	60
65	28.9	30.2	33.8	30.3	33	29.1	31	34.5	30.6	29.4	27.6		24.2	21.9		20.1			16.2			12.7	65
70	25.7	26.7	33.0	27.7	30.4	28.6	28.4	32	29.6	27.4	26.5		23	20.9		19			15.3			12.7	70
75	23.1	20.7		25.5	27.8	27.8	26			25.4	25.4		21.9	19.9		18			14.5			11.4	75
80				23.5	25.3	26.5	23.8		27.7	23.5	24.4	21.5	20.8	19		17.1	15.2		13.7			10.8	80
85				21.7	23	23.9	21.8	24.9	27	21.7	23.4	20.8	19.9	18.2		16.2	14.4		13.7			10.0	85
90				20	20.9	23.7	20.3	22.8		20	22.5	20.2	18.8	17.4		15.5	13.8		12.3	10.8		9.7	90
95					20.0	20.7	18.9			18.3	21.3	19.6	17.6	16.7	14.7	14.8	13.2		11.7	10.5		9.2	95
100							17.6	19.2		16.8	20	19.2	16.3	16	14.6	14.1	12.6		11.2	10		8.8	100
105							16.3	17.7	18.9	15.6	18.5	18.9	15	15.4	14	13.5	12.1		10.7	9.5		8.3	105
110							15.1	16.3	18.2	14.7	17	18.5	13.9	15	13.6	12.9	11.6		10.3	9.1		7.9	110
115							13.9	14.8		13.8	15.7	17.6	13	14.5	13.3	12.4	11.1	10	9.8	8.8		7.5	115
120										13	14.5	16.3	12.2	14.1	12.9	11.8	10.7	9.8	9.4	8.4		7.2	120
125										12.1	13.4	14.9	11.5	13.5	12.6	11	10.4	9.5	9	8		6.8	125
130										11.3	12.4	13.4	10.8	12.5	12.5	10.2	10.1	9.3	8.6	7.7		6.5	130
135										10.5	11.3		10.1	11.6	12.4	9.6	9.8	9.1	8.3	7.4	6.6	6.1	135
140													9.5	10.8	12	9	9.6	8.9	7.9	7.2	6.5	5.8	140
145													8.9	10.1	11.4	8.5	9.3	8.7	7.6	7	6.3	5.5	145
150													8.3	9.3	10.4	8	9.1	8.6	7.2	6.7	6.1	5.2	150
155													7.7	8.6	10	7.5	8.8	8.5	6.7	6.5	5.9	4.9	155
160													7.1	7.8		7	8.3	8.4	6.1	6.3	5.8	4.7	160
165																6.5	7.6	8.3	5.6	6.1	5.7	4.3	165
170																6.1	7	8.2	5.2	5.9	5.6	3.9	170
175																5.6	6.4	7.4	4.7	5.8	5.5	3.5	175
180																5.2	5.8		4.2	5.6	5.4	3	180
185																			3.8	5.3	5.3	2.6	185
190																			3.3	4.7	5.3	2.4	190
195																			2.9	4.1	5.1	2.4	195
200																			2.6	3.5	5	2.4	200
205																			2.4	2.9		2.4	205
210																						2.4	210
215																						2.4	215
220																						2.4	220
225																						2.4	225

\* adapter / pièce d'adaptateur TAB 146444 / 146450 / 146456

		152 ft	23 –	184 ft	TF	77	(	360°	2646	300 lbs	8	5%											
					T _		*				L												
<b>A</b>												+ 8 ft											A
		23 ft	1.00	200	46 ft	1 400		69 ft	1		92 ft			115 ft			138 ft	4.00		161 ft		184 ft	
- 11	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	
32	104																						32
34	102																						34
36	100																						36
38	97.5			79.5																			38
40	95	64		79																			40
45	89.5		44.3	75			60																45
50	84	58.1	43.4	71.5	50.2		58.5			44.4			34.6										50
55	79	55.7	42.4	67.5	49.2		56.5			43.7			34.1			26.7							55
60	74.5		41.4	64	47.2		54.3			42.4			33.1			26.5							60
65	69.5		40.5	60.5	45.4	33.7	51.8			41.1			32.1			25.7			20				65
70	65.5		39.8	57.5	43.7	33.1	49.7	41.1		39.6			30.9			24.9			19.4			14.8	70
75	61.5		39.1	54.3	42.3	32.4	47.5	40.6		38.2			29.7			24.1			18.8			14.5	75
80	57.6		38.5	51.3	40.9	31.7	45.3	39.6		36.9			28.6			23.2			18.2			14	80
85	54.5		37.9	48.3	39.6	31.2	43.2	38.7	30.8	35.7	28.4		27.6			22.3			17.6			13.5	85
90	51.7		37.3	45.9	38.3	30.7	41	37.8	30.3	34.6	27.7		26.7			21.5			17			13	90
95	49	42.8	37	43.7	37.2	30.2	38.9	36.5	29.7	33.4	27		25.8	19.9		20.8			16.3			12.5	95
100	46.4		36.7	41.5	36.1	29.7	37	35	29.2	32.1	26.3	21	24.9	19.7		20			15.7			12	100
105	43.9		36.5	39.5	35.2	29.2	35.2	33.7	28.7	30.7	25.7	21	24.1	19.2		19.3			15.1			11.6	105
110	41.6		36.2	37.6	34.4	29	33.6	32.4	28.3	29.5	25.1	20.7	23.3	18.7		18.6	14		14.6			11.2	110
115	39.4	38.7	36	35.7	33.6	28.8	32.1	31.1	27.9	28.3	24.6	20.4	22.5	18.2		18	13.7		14			10.8	115
120	37.4	37.4	35.8	34	32.9	28.6	30.6	29.9	27.5	27.1	24	20.1	21.9	17.7	14.3	17.4	13.4		13.5	9.9		10.4	120
125	35.9	35.9	35.5	32.3	32.1	28.4	29.1	28.8	27.1	25.9	23.5	19.8	21.2	17.3	14.3	16.8	13		13	9.9		10	125
130	34.5	34.5	34.2	30.7	30.6	28.2	27.8	27.5	26.9	24.8	23.1	19.5	20.6	16.8	14	16.2	12.6		12.5	9.6		9.6	130
135	33.1	33.1	32.8	29.1	29.1	28	26.5	26.3	26.3	23.6	22.6	19.2	20	16.4	13.8	15.7	12.3		12.1	9.3		9.3	135
140	31.7	31.8	31.4	27.7	27.9	27.6	25.2	25.1	25.4	22.5	21.9	19	19.4	16	13.6	15.2	12	9.7	11.7	9.1		8.9	140
145	30.4	30.5	30.1	26.7	26.8	26.8	23.9	24	24.4	21.5	21.2	18.9	18.7	15.7	13.4	14.8	11.7	9.7	11.3	8.8		8.6	145
150	29.2	29.3	28.8	25.7	25.7	25.7	22.7	22.9	23.3	20.5	20.4	18.8	17.9	15.4	13.2	14.4	11.4	9.6	11	8.6		8.3	150
155	28	28.1		24.7	24.7	24.7	21.8	21.9	22.3	19.5	19.7	18.6	17.2	15.1	13	14	11.1	9.4	10.7	8.3		8	155
160	26.7	26.9		23.8	23.7	23.7	21	21	21.3	18.5	18.9	18.4	16.3	14.8	12.8	13.6	10.8	9.3	10.4	8.1	6.4	7.7	160
165	25.3	25.6		22.9	22.8	22.8	20.2	20.2	20.4	17.6	18.1	18.1	15.5	14.6	12.6	13.2	10.6	9.1	10.1	7.9	6.4	7.5	165
170	23.9	24.1		22	21.9	21.8	19.5	19.4	19.5	16.6	17.3	17.5	14.7	14.3	12.6	12.8	10.4	9	9.8	7.7	6.3	7.2	170
175				21.1	21		18.7	18.7	18.8	16	16.4	16.8	13.9	14.1	12.5	12.4	10.2	8.9	9.5	7.5	6.2	7	175
180				20.3	20.1		18	18	18	15.4	15.7	16.2	13.3	13.7	12.4	12.1	10.1	8.8	9.2	7.3	6.1	6.7	180
185				19.5	19.3		17.3	17.3	17.3	14.9	15.1	15.5	12.9	13.3	12.4	11.7	9.9	8.7	9	7.2	6	6.5	185
190				18.7	18.4		16.6	16.6	16.5	14.3	14.6	14.9	12.4	12.8	12.3	11.1	9.7	8.7	8.7	7	5.9	6.3	190
195				17.8			15.9	16	15.8	13.8	14	14.3	11.9	12.2	12.2	10.5	9.6	8.6	8.5	6.9	5.8	6	195
200							15.3	15.4		13.3	13.5	13.7	11.5	11.7	12	10.1	9.4	8.6	8.2	6.8	5.7	5.8	200
205							14.6	14.8		12.8	12.9	13.1	11		11.6	9.7	9.2	8.5	8	6.6	5.7	5.6	205
210							14	14.1		12.3	12.4	12.5	10.6	10.8	11.2	9.3	9.1	8.4	7.7	6.5	5.6	5.4	210
215							10.8	11		11.8	11.9	12	10.2	10.4	10.7	9	9	8.3	7.5	6.4	5.6	5.2	215
220										11.4	11.4		9.8	10	10.3	8.6	8.9	8.3	7.2	6.2	5.5	5	220
225										10.9	10.9		9.4	9.6	9.9	8.3	8.6	8.3	6.9	6.1	5.5	4.8	225
230										10.5			9	9.2	9.4	7.9	8.2	8.3	6.5	6	5.4	4.6	230
235										10			8.6	8.8	9	7.6	7.9	8.2	6.2	5.9	5.3	4.4	235
240													8.3	8.5		7.3	7.5	7.9	5.8	5.8	5.3	4.1	240
245													7.9	8.1		7	7.2	7.5	5.5	5.8	5.2	3.8	245
250													7.6	7.7		6.7	6.8	7.1	5.2	5.7	5.2		250
255													7.2	7.4		6.4	6.5	6.8	4.9	5.4	5.2		255
260																6.1	6.2	6.4	4.5	5.1	5.2		260
265																5.8	5.8		4.2	4.7	5.1		265
270																5.5	5.5		3.9	4.4	4.9		270
275																5.2	5.3		3.6	4.1	4.5		275
280																4.9			3.3	3.7	4.1		280
285																			3	3.4			285
290																			2.8	3.1			290
295																			2.5	2.8			295

		169 ft	23 -	184 ft	ŢF	7]		360°	2646	600 lbs	85	5%											
<u> </u>											169 ft	+ 8 ft	*										<u> </u>
		23 ft			46 ft			69 ft			92 ft			115 ft			138 ft			161 ft		184 ft	
38	0° 88.5	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	38
40	88																						40
45	84	61		69.5																			45
50	80.5	58.8	43.1	67			53.8			41.1													50
55	76.5	56.4	42.7	64.5	47.7		52.9			40.6			31										55
60	72.5	54.3	41.8	61	47.4		51.2			39.6			30.9										60
65	68.5	52.4	40.9	58.2	45.6		49.2			38.7			30			23.9							65
70	65	50.7	40.2	55.7	44	32.9	47.3			37.5			29.2			23.3			17.9				70
75	61	49.1	39.6	53.2	42.6	32.5	45.5	38.8		36.3			28.3			22.6			17.6			13.1	75
80	57.6	47.6	39	50.8	41.3	31.9	43.7	38.6		35.2			27.3			22			17.1			13	80
85	54.2	46.1	38.4	48.3	40	31.4	41.9	37.8		34.2			26.4			21.3			16.6			12.6	85
90	51.3	44.8	37.9	46	38.9	30.9	40.2	36.9	30.3	33.3	26.7		25.6			20.6			16.1			12.1	90
95	48.6	43.6	37.4	43.7	37.8	30.4	38.5	35.8	30	32.3	26.3		24.8			19.9			15.5			11.6	95
100	46	42.7	37	41.5	36.8	30	36.8	34.5	29.6	31.3	25.8		24	18.7		19.2			15			11.2	100
105	43.5	41.7	36.8	39.4	35.8	29.6	35.2	33.3	29.3	30.1	25.2	00.0	23.3	18.7		18.6			14.4			10.8	105
110	41.2	40.8	36.6	37.4	35	29.2	33.7	32.1	29	29	24.7	20.3	22.6	18.3		18	10.1		14			10.4	110
115	39	39.1	36.5	35.5	34.3	28.9	32.3	31	28.7	28	24.2 23.7			17.8		17.4	13.1		13.5			10.1	115
120	36.8	37	36.2	33.7			30.8	30	28.4	26.9		19.9	21.3	17.4		16.8	13		13			9.7	120
125 130	34.6	35 33	35.7 33.8	32 30.3	32.8	28.5 28.4	29.3	27.9	27.0	25.9 24.9	23.2 22.8	19.6	20.7	17	120	16.3 15.8	12.6 12.3		12.6 12.2	9.3		9.4	125 130
135	30.8	31.3	31.9	28.7	29.7	28.2	26.6	26.8	26.2	23.8	22.3	19.4 19.1	19.6	16.6 16.2	13.8 13.6	15.3	12.3		11.7	9.3		-	135
140	29.3	29.7	30.1	27.1	28.1	27.9	25.3	25.7	25.5	22.7	21.7	18.9	19.0	15.9	13.4	14.9	11.7		11.3	8.9		8.7	140
145	27.9	28.2	28.4	25.6	26.7	27.3	24	24.7	24.7	21.6	21.1	18.7	18.6	15.5	13.4	14.5	11.7		11.3	8.6		8.2	145
150	26.5	26.8	26.9	24.5	25.3	25.9	22.8	23.7	23.7	20.6	20.4	18.6	18	15.1	13.2	14.1	11.2	9.4	10.7	8.4		7.9	150
155	25.2	25.4	25.4	23.4	24.1	24.6	21.6	22.6	22.8	19.6	19.8	18.5	17.4		12.9	13.8	11.2	9.3	10.7	8.2		7.6	155
160	24.2	24.3	24	22.2	23	23.5	20.4	21.4	22.0	18.6	19.1	18.4	16.7	14.7	12.7	13.4	10.7	9.2	10.4	8		7.4	160
165	23.2	23.4		21.2	21.9	22.3	19.3	20.3	21.1	17.6	18.5	18.2	15.9	14.4	12.5	13.1	10.5	9.1	9.9	7.8		7.1	165
170	22.3	22.5		20.1	20.8	21.1	18.6	19.2	20.3	16.6	17.7	17.7	15.1	14.2	12.5	12.7	10.3	8.9	9.6	7.6	6.2	6.9	170
175	21.3	21.6		19.1	19.7	19.9	17.8	18.4	19.4	15.7	17	17.2	14.4	14	12.4	12.4	10.2	8.8	9.4	7.4	6.1	6.6	175
180	20.5	20.7		18.1	18.7	18.7	17	17.5	18.4	14.9	16.3	16.6	13.6	13.8	12.4	12.1	10	8.7	9.1	7.2	6	6.4	180
185	19.6			17.2	17.6		16.3	16.8	17.5	14.3	15.6	16	12.9	13.5	12.3	11.8	9.9	8.6	8.9	7.1	5.9	6.2	185
190	18.8			16.4	16.6		15.5	16	16.6	13.8	14.8	15.3	12.1	13	12.3	11.5	9.7	8.5	8.7	7	5.8	6	190
195				15.7	15.9		14.7	15.2	15.7	13.2	14.1	14.8	11.4	12.6	12.2	11	9.6	8.5	8.5	6.8	5.7	5.8	195
200				15	15.3		14	14.4	14.8	12.6	13.5	14.2	10.9	12.1	12.1	10.4	9.4	8.5	8.3	6.7	5.6	5.6	200
205				14.4			13.3	13.6	13.9	12	12.9	13.5	10.4	11.6	11.9	9.8	9.3	8.4	8.1	6.6	5.6	5.4	205
210							12.6	12.9		11.5	12.3	12.8	10	11.2	11.6	9.3	9.2	8.4	7.9	6.5	5.5	5.3	210
215							12	12.1		10.9	11.7	12.2	9.6	10.7	11.2	8.9	9	8.4	7.5	6.3	5.5	5.1	215
220							11.5	11.4		10.4	11.1	11.5	9.2		10.8	8.5	8.9	8.3	7.1	6.2	5.5	4.9	220
225							11			9.8	10.5	10.8	8.8	9.7	10.3	8.1	8.7	8.3	6.7	6.1	5.4	4.7	225
230										9.3	10		8.4	9.2	9.8	7.7	8.5	8.2	6.2	6	5.4	4.5	230
235										8.8	9.3		7.9	8.8	9.2	7.3	8.2	8.2	5.8	5.9	5.4	4.2	235
240										8.3	8.8		7.5	8.3	8.7	6.9	7.8	8.1	5.4	5.8	5.3	3.8	240
245										7.9	8.2		7.1	7.9	8.2	6.4	7.4	8	5	5.7	5.2		245
250													6.7	7.4		6	7	7.6	4.6	5.6	5.2		250
255													6.2	6.9		5.6	6.6	7.2	4.2	5.6	5.2		255
260													5.9	6.4		5.2	6.1	6.7	3.9	5.2	5.2		260
265													5.6	6		4.7	5.7	6.3	3.5	4.8	5.2		265
270													5.3			4.3	5.2	5.7		4.4	5.1		270
275 280													5			3.9	4.8 4.3	5.1		3.6	4.8		275 280
285																3.1	3.8			3.0	3.8		285
290																2.8	3.2				3.0		290
295																2.5	2.7						290
	L	 ptateur														2.0	۷.1			٠.	TAD 14	0444/4	46450 / 146

	186 –	9	23	184 ft	Ţf	<del>T</del> I	(	360		64600 I		<b>85</b> %	6											
				ţ				N N															197 +	
A										1	86 ft	+ 8 ft											8 ft*	
4	00	23 ft	400	00	46 ft	400	00	69 ft	400	000	92 ft	1.400		115 ft			138 ft			161 f	1		184 ft	-
45	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	0°	
45 50	71 69	58.7	42.9	56.2 55			111																	45 50
							44.1			24 5														
55 60	66 62.5	57.6 55.5	42.5	53.4			43.4			34.5														55 60
			41.6	51.7	44.0		42.1			34.3			00.4											
65 70	59.6	53.5	40.9	49.7	44.3		40.8			33.2			26.4			20								65
70 75	56.9	51.8	40.2 39.6	47.6	43.1	21.0	39.3	22.4		32.2			25.9			20			15					70
75	54.3	50.3		45.7	41.8	31.8		33.4		31.2			25.3			19.8			15					75
80	51.6	48.9	39.1	43.9	40.5	31.6	36.5	33.1		30			24.7			19.3			14.9			10.7		80
85	49.1	47.5	38.6	42.2	39.4	31.1	35.1	32		28.9			24			18.9			14.5			10.7		85
90	46.7	45.8	38.1	40.5		30.7	33.8	31	20.0	27.9	00.0		23.2			18.3			14.1			10.5	9.2	90
95	44.3	43.8	37.6	38.8			32.5	29.9	26.2	27	23.3		22.4			17.7			13.6			10.2	9	95
100	42	41.8	37.2	37.1	35.7	29.9	31.3	29	26	26	23.1		21.6			17.2			13.2			9.9	8.7	100
105	39.9	40	36.7	35.5	34.3	29.6	30.1	28.1	25.2	25	22.3		20.8	171		16.7			12.8			9.5	8.2	105
110	37.9	38.3	36.6	34	33.1	29.3	29	27.2	24.6	24.1	21.6	10.5	20	17.1		16.2			12.4			9.2	7.9	110
115	35.9	36.4	36.1	32.5		28.9		26.4	24	23.2	20.9		19.3	16.8		15.8	44.0		12.1			8.9	7.5	115
120	34.1	34.6	35	31.1	30.7	28.6		25.5	23.3	22.3	20.3	18.3	18.6	16.4		15.3	11.9		11.7			8.6	7.2	120
125	32.3	32.9	33.2		29.4	28.3	26	24.6	22.8	21.5	19.6	17.8	17.9	15.8		14.9	11.9		11.4			8.3	6.8	125
130	30.5	31.2	31.5	28.1	28.2	28.2	25	23.8	22.2	20.7	19	17.3	17.2	15.3		14.3	11.6		11.1			8	6.5	130
135	28.9		29.9		27.1	27.3	24	23	21.7	19.9	18.4	16.9	16.6	14.8	13.1	13.8	11.4		10.8	8.4		7.7	6.2	135
140	27.4	28	28.4	25.4	26	26.2		22.3	21.2	19.2	17.9	16.5	16	14.3		13.2	11.1		10.5	8.3		7.5		140
145	26.2	26.5	26.9		24.8	25.2	21.8	21.5	20.7	18.5	17.3	16	15.4	13.8	12.6	12.7	10.9		10.2	8.1		7.2		145
150	25	25.4	25.6	22.8			20.7	20.8	20.3		16.8	15.6	14.9	13.4		12.3	10.7		9.9	7.9		7		150
155	23.8	24.3	24.4	21.6		23	19.7	20.2	19.8	17.2	16.4	15.2	14.4	13	12	11.9	10.5	8.9	9.5	7.7		6.8		155
160	22.7	23.1	23.1		21.2	21.8		19.5	19.3		15.9	14.9	13.9		11.7	11.5	10.3	8.9	9.2	7.6		6.5		160
165	21.5	21.9	21.9	19.7		20.7	17.7	18.7	18.7	15.9	15.4	14.5	13.4	12.2	11.4	11.1	10	8.8	8.8	7.4		6.2		165
170	20.4	20.8	20.7	18.9		19.7	16.7	17.9	18.1	15.1	14.9	14.2	12.9	11.9	11.1	10.7	9.7	8.7	8.4	7.2		5.9		170
175	19.3	19.7	19.5	18.1	18.2	18.8	16	16.9	17.4	14.3	14.4		12.4		10.8	10.3	9.4	8.6	8.1	7	5.8	5.6		175
180	18.3	18.7		17.3	17.2	17.8	15.4	16	16.7	13.5	13.9		12	11.3	10.6	10	9.1	8.4	7.7	6.9	5.8	5.3		180
185	17.3	17.7		16.5	16.4	16.9	14.7	15.2	16.1	12.8	13.5	13.3	11.5	11	10.4	9.6	8.9	8.2	7.4	6.7	5.7	5		185
190	16.3	16.7		15.7	15.6	16	14.1	14.6	15.5	12	13	13.1	11.1	10.8	10.2	9.3	8.7	8	7.1	6.6	5.6	4.7		190
195	15.3	15.7		15	14.7	15	13.5	13.9	14.7	11.5	12.5	12.7	10.7	10.5	10	9	8.4	7.8	6.8	6.4	5.5			195
200				14.2	13.9		12.9	13.3	14	11.1	12.1	12.3	10.2	10.2	9.8	8.7	8.2	7.6	6.5	6.2	5.5			200
205				13.4	13.2		12.4	12.7	13.3	10.6	11.7	12	9.7	9.9	9.6	8.3	7.9	7.5	6.2	5.9	5.4			205
210				12.7	12.5		11.8	12.1	12.6	10.2	11.1	11.6	9.2	9.5	9.4	8	7.7	7.3	5.9	5.7	5.3			210
215				12	11.8		11.2	11.6	11.9	9.7	10.6	11.2	8.8	9.2	9.2	7.6	7.5	7.1	5.6	5.5	5.3			215
220				11.3	11.1		10.6	11	11.3	9.3	10.1	10.7	8.4	9	9	7.2	7.3	7	5.3	5.3	5.1			220
225							10	10.4		8.9	9.7	10.1	8	8.7	8.9	6.8	7.1	6.8	5	5.1	5			225
230							9.5	9.8		8.5	9.2	9.6	7.6	8.4	8.7	6.3	6.9	6.7	4.8	4.9	4.8			230
235							8.9	9.2		8.1	8.7	9	7.3	8	8.5	5.9	6.6	6.5	4.5	4.7	4.6			235
240							8.4	8.6		7.6	8.3	8.5		7.6	8.1	5.5	6.4	6.4	4.1	4.5	4.5			240
245										7.2	7.8		6.4	7.2	7.7	5.1	6.2	6.2		4.3	4.3			245
250										6.8	7.3		6	6.8	7.2	4.8	6	6.2		4.1	4.1			250
255										6.4	6.8		5.6	6.4	6.7	4.4	5.6	6.1		3.9	4			255
260										5.9	6.4		5.1	5.9	6.2	4	5.1	5.9		3.7	3.9			260
265										5.5			4.7	5.4		3.6	4.7	5.5		3.5	3.8			265
270													4.2	5			4.3	5			3.7			270
275													3.8	4.5			3.9	4.5			3.6			275
280													3.4	4			3.5	3.9			3.4			280
285													3	3.5										285



#### Lifting capacities on the lattice fly jib with guyed telescopic boom Forces de levage à la fléchette treillis fixe avec flèche télescopique haubanée

		52 ft	38°				23 -	184 ft	ŢF	٦Ţ		360°	308	600 lbs	8	5%							
<u> </u>			Υ\_		/S		3				152 ft	+ 8 ft											<b>A</b>
<b>↔</b> ft	0°	23 ft 20°	40°	0°	46 ft 20°	40°	0°	69 ft 20°	40°	0°	92 ft 20°	40°	0°	115 ft 20°	40°	0°	138 ft 20°	40°	0°	161 ft 20°	t   40°	184 ft 0°	-
38	119			99																			38
40	117			98.5																			40
45	109	62.5		92			75			56.6													45
50	102	60	40.0	87	F4 4		72.5			54.6			42.1			04.7							50
55	96	57.7	42.8	82	51.4		69.5			52.2			41.3			31.7							55
60 65	90	55.4 53.3	41.9	77.5	49.3 47.4	34.4	66.5	171		50.1 48.2			39.6			31.5			247				60 65
70	80	51.4	40.3	68.5	45.7	33.7	59.5	47.1 45.9		46.4			38.1			29.1			24.7			18.7	70
75	74.5	49.6	39.6	64.5	44.1	33.7	56.2	44.7		44.7	32.1		35.2			28			22.9			18.3	75 75
80	69.5	48	38.9	61	42.6	32.3	53.2	43.4	32.5	43.1	31.8		33.9			26.9			22.3			17.6	80
85	65.5	46.6	38.3	57.6	41.2	31.7	50.5	42.2	31.8	41.5	30.9		32.7			25.8			21.2			16.8	85
90	62	45.3	37.7	54.4	39.9	31.2	48	40.9	31.1	39.9	30		31.5	23.2		24.9			20.4			16.2	90
95	58.5	44.1	37.3	51.3	38.7	30.6	45.7	39.7	30.5	38.4	29.1	22.8	30.5	22.7		24			19.6			15.5	95
100	55.2	42.9	37	48.4	37.5	30.1	43.3	38.5	29.9	36.8	28.3	22.7	29.4	22		23.2	16.7		18.9			14.8	100
105	52	41.8	36.6	45.7	36.6	29.7	40.9	37.4	29.4	35.5	27.6	22.3	28.1	21.3		22.4	16.7		18.2			14.2	105
110	49	40.8	36.3	43	35.6	29.4	38.6	36.3	28.9	34.1	26.9	21.9	27	20.7		21.6	16.1		17.6			13.7	110
115	46.5	39.7	36.1	40.8	34.8	29.1	36.6	35.2	28.4	32.5	26.2	21.5	26	20.2	15.7	20.8	15.6		16.9	11.9		13.1	115
120	44.4	39	35.8	38.9	33.9	28.8	34.8	34	28	30.9	25.5	21.1	25.1	19.6	15.6	19.9	15.1		16.3	11.8		12.6	120
125	42.3	38.6	35.5	37	33.1	28.5	33.1	32.4	27.6	29.3	24.9	20.8	24.3	19	15.2	19.1	14.6		15.7	11.4		12.1	125
130	40.4	38.2	35.5	35.3	32.3	28.3	31.5	31	27.3	27.9	24.4	20.5	23.5	18.5	14.9	18.2	14.2		15	11		11.6	130
135	38.5	37.9	35.5	33.6	31.6	28	30	29.6	27	26.5	23.9	20.1	22.7	18	14.6	17.6	13.7		14.3	10.6		11.1	135
140	36.6	37.1	35.5	31.9	31	27.8	28.5	28.3	26.8	25.1	23.5	19.9	22	17.5	14.4	17	13.3	10.5	13.7	10.3		10.7	140
145	34.9	35.7	35.2	30.3	30.6	27.6	27	27	26.5	23.8	23	19.7	21.3	17.1	14.1	16.4	12.9	10.4	13.3	10		10.3	145
150	33.4	34.3	33.7	28.8	29.4	27.6	25.6	25.7	25.7	22.5	22.6	19.5	20.6	16.7	13.9	15.9	12.5	10.2	12.9	9.7		9.9	150
155	32	32.8	32.3	27.6	28.2	27.5	24.5	24.5	24.6	21.5	21.8	19.3	19.7	16.4	13.7	15.4	12.1	10	12.5	9.4		9.5	155
160	30.8	31.5		26.6	27.1	26.9	23.4	23.5	23.5	20.5	20.9	19.1	18.7	16	13.4	14.9	11.8	9.9	12.1	9.1	7.1	9.2	160
165				25.5	26	25.8	22.4	22.5	22.5	19.6	19.9	19	17.7	15.7	13.2	14.4	11.6	9.7	11.7	8.9	7	8.9	165
170				24.6	25	24.8	21.5	21.6	21.7	18.7	19	18.8	16.7	15.4	13.1	13.9	11.4	9.5	11.3	8.6	6.9	8.6	170
175				23.6	24	23.8	20.5	20.8	20.8	17.8	18.1	18.5	15.7	15.1	13	13.5	11.1	9.4	10.9	8.4	6.8	8.2	175
180				22.7	23		19.6	19.9	20	17	17.3	17.9	15	14.8	12.9	13	10.9	9.3	10.6	8.2	6.6	8	180
185				21.8			18.7	19.1	19.2	16.2	16.6	17.2	14.5	14.5	12.8	12.6	10.7	9.2	10.3	8	6.5	7.7	185
190				20.9			18	18.3	18.5	15.5	16	16.5	13.9	14.2	12.6	12.1	10.5	9	9.9	7.8	6.3	7.4	190
195							17.2	17.5	17.7	15	15.4	15.8	13.4	13.6	12.5	11.4	10.3	8.9	9.6	7.6	6.3	7.1	195
200							16.6	16.8		14.4	14.8	15.1	12.9	13.1	12.4	10.9	10.1	8.8	9.3	7.5	6.2	6.9	200
205							16	16.1		13.9	14.2	14.5	12.4	12.6	12.3	10.5	9.9	8.7	9	7.3	6.1	6.6	205
210 215										13.3 12.8	13.6	13.9	11.9	12.1 11.6	12.3	10.1	9.7	8.6 8.5	8.7	7.1	5.9	6.3	210 215
												13.3	11.5		11.8	9.7	9.6		8.4				
220 225										12.3	12.5		11 10.6	11.2		9.4	9.5	8.4	8.1 7.9	6.8	5.8	5.8	220 225
230										11.3	12		10.0	10.6		8.7	9.4	8.4	7.5	6.5	5.6	5.4	230
235										10.9			9.7	9.9	9.9	8.3	8.7	8.4	7.5	6.3	5.5	5.4	235
240										10.5			9.3	9.5	9.5	8	8.3	8.4	6.8	6.2	5.4	4.9	240
245													8.9	9.5	0.0	7.6	7.9	8.2	6.4	6.2	5.4	4.6	245
250													8.5	8.6		7.3	7.6	7.8	6.1	6.1	5.4	4.3	250
255													8.1	8.3		7	7.2	7.4	5.7	6	5.4	3.9	255
260													J	5.0		6.7	6.9	7	5.4	5.8	5.4	3.6	260
265																6.4	6.5		5.1	5.5	5.4	3.5	265
270																6.1	6.2		4.7	5.1	5.3		270
275																5.8	5.9		4.4	4.8	5.2		275
280																5.5			4.1	4.4	4.8		280
285																			3.8	4.1			285
290																			3.5	3.8			290
295																			3.2	3.4			295
300																			2.8				300

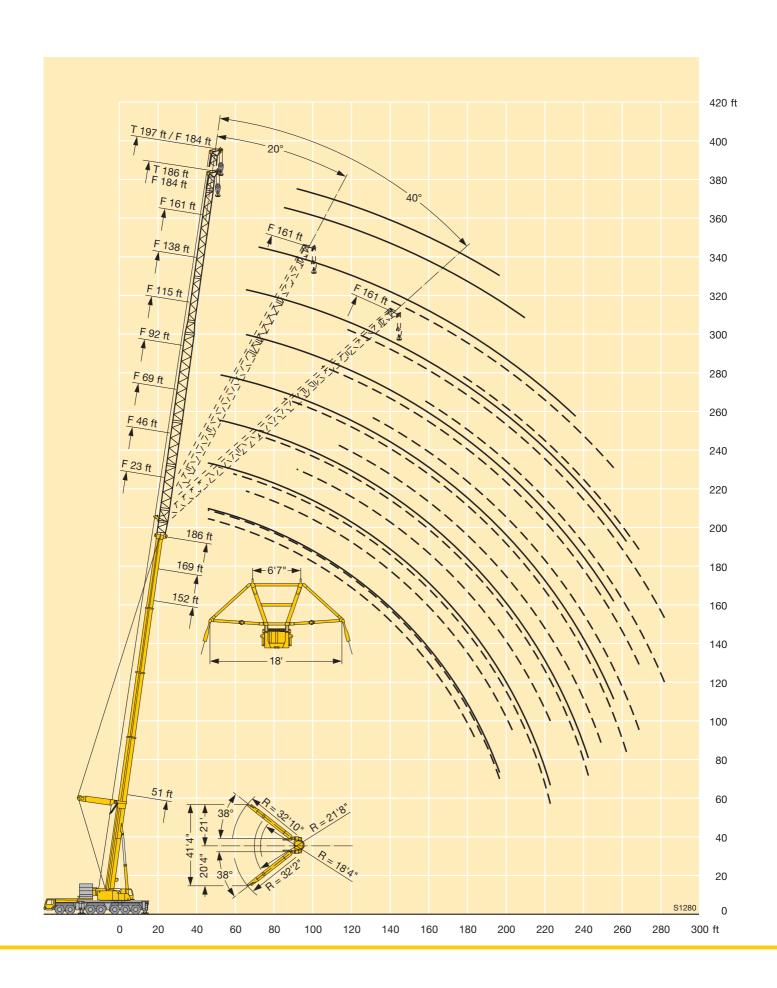
\* adapter / pièce d'adaptateur TAB 146462 / 146472 / 146482

#### Lifting capacities on the lattice fly jib with guyed telescopic boom Forces de levage à la fléchette treillis fixe avec flèche télescopique haubanée

		69 ft	/38° Y		S		23 -	184 ft	ŢF	٦Ţ	<b>\</b>	360°	308	600 lbs	8	5%							
<u>A</u>												+ 8 ft	*										<u> </u>
ft ft	0°	23 ft 20°	40°	0°	46 ft 20°	40°	0°	69 ft 20°	40°	0°	92 ft 20°	40°	0°	115 ft 20°	40°	0°	138 ft 20°	40°	0°	161 ft 20°	40°	184 ft 0°	ft
38	113	20	40	94.5	20	40	U	20	40	U	20	40	U	20	40	U	20	40	U	20	40	U	38
40	112			94																			40
45	104	63		88			72.5																45
50	97	61		82.5			70			52.4			40.6										50
55 60	90.5	58.6	43.2	77.5	51.5		66.5			51.5			39.9			30.6							55 60
60 65	85 80	56.4 54.5	42.3	72.5 68.5	49.6 47.8	34.4	62.5 59.3	46.7		49.7 47.9			38.4			30.4			23.8				60 65
70	75	52.7	40.7	64.5	46.2	33.8	56.1	45.6		46.2			35.7			28.3			23.1			18	70
75	71	51	40.1	61	44.7	33.2	53.2	44.4		44.6	31.8		34.5			27.3			22.2			17.6	75
80	66.5		39.4	57.7	43.3	32.5	50.5	43.3		43.2	31.6		33.3			26.4			21.4			17	80
85	62.5	47.9	38.8	54.5	41.9	32	47.9	42.2	31.7	41.8	30.7		32.1			25.5			20.7			16.3	85
90	58.9	46.5	38.3	51.5	40.7	31.5	45.5	41.1	31.1	40	29.9		31.1			24.7			19.9			15.7	90
95	55.7	45.3	37.8	48.9	39.5	31	43.2	39.9	30.5	38.1	29.1		30.1	22.2		23.8			19.2			15	95
100	52.8		37.3	46.5	38.4	30.5	41	38.8	30	36.3	28.3	22.2	29.2	22		23.1			18.5			14.4	100
105	50	43.1	37	44.1	37.3	30	38.8	37.7	29.5	34.5	27.6	22.2	28.2	21.3		22.4			17.9			13.9	105
110	47.5		36.8	41.9	36.5	29.6	37.1	36.4	29.1	32.8	26.9	21.8	27.3	20.7		21.7	15.9		17.3			13.3	110
115	45.1	41.2	36.5	39.7	35.6	29.3	35.4	34.8 33	28.6	31.4	26.3	21.5	26.3 25.3	20.2	15.0	21	15.5		16.7	11 /		12.9	115
120 125	42.7	40.3 39.4	36.3 36.1	37.7	34.9	29 28.8	33.7	31.5	28.2	30 28.7	25.7 25.1	20.8	24.4	19.6 19.1	15.2 15.2	20.3	15 14.6		16.1 15.6	11.4		12.4	120 125
130	38.2	38.1	35.8	33.8	33.4	28.5	30.5	30.1	27.4	27.5	24.5	20.5	23.7	18.6	14.9	18.7	14.0		15.1	10.9		11.4	130
135	36.6		35.6	32	32.1	28.3	29	28.7	27.2	26.2	24.5	20.2	22.8	18.2	14.6	18	13.8		14.5	10.5		11	135
140	35.3		34.9	30.3	30.6	28.1	27.5	27.4	26.7	24.9	23.5	19.9	21.8	17.7	14.4	17.4	13.4	10.4	13.9	10.3		10.6	140
145	33.9		33.6	28.7	29.1	27.8	26.1	26.1	26.1	23.7	23.1	19.7	20.9	17.3	14.2	16.9	13	10.4	13.3	10		10.2	145
150	32.7	32.6	32.3	27.6	27.6	27.5	24.7	24.9	24.9	22.5	22.2	19.5	19.9	16.8	13.9	16.4	12.6	10.2	12.9	9.7		9.8	150
155	31.5	31.3	31	26.6	26.6	26.5	23.4	23.7	23.8	21.3	21.3	19.4	19	16.5	13.7	15.9	12.3	10	12.5	9.4		9.4	155
160	30.3		29.8	25.6	25.6	25.5	22.2	22.6	22.7	20.2	20.3	19.2	18	16.2	13.5	15.4	12	9.9	12.2	9.2		9.1	160
165	29.1		28.6	24.6	24.7	24.6	21.1	21.4	21.7	19.1	19.3	19.1	17.1	15.9	13.3	15	11.6	9.7	11.8	8.9		8.8	165
170	28	27.8	27.4	23.7	23.8	23.6	20.3	20.4	20.7	18	18.4	19	16.2	15.6	13.2	14.6	11.4	9.6	11.5	8.7	6.9	8.5	170
175	26.9	26.7		22.8	22.9	22.7	19.6	19.5 18.8	19.8	17 16.2	17.5	18.2	15.4	15.3	13.1	14	11.2 11	9.4	11.1	8.4 8.2	6.7	8.2	175
180 185	25.8	25.6		21.9	21.2	21.8	18.9	18.1	18.2	15.6	16.7 15.8	16.6	14.5	15 14.6	13 12.9	13.4 12.7	10.8	9.3	10.8	8	6.6	7.9	180 185
190				20.2	20.4	20.1	17.5	17.4	17.5	15.0	15.0	15.8	12.9	14.0	12.8	12.1	10.6	9.1	10.3	7.9	6.4	7.4	190
195				19.4	19.6	20.1	16.9	16.8	16.8	14.5	14.4	15.1	12.1	13.3	12.6	11.5	10.5	9	9.8	7.7	6.3	7.2	195
200				18.5	18.9		16.2	16.1	16.1	13.9	13.8	14.5	11.5	12.6	12.5	10.9	10.3	8.9	9.4	7.5	6.2	6.9	200
205							15.6	15.5	15.5	13.4	13.3	13.9	11.1	11.9	12.3	10.3	10.1	8.8	8.9	7.4	6.1	6.6	205
210							15	14.9		12.9	12.7	13.3	10.7	11.4	11.9	9.7	9.9	8.7	8.3	7.2	6	6.4	210
215							14.4	14.3		12.4	12.2	12.7	10.3	11	11.4	9.3	9.8	8.6	7.9	7.1	5.9	6.1	215
220							13.9	13.7		11.9	11.7	12.2	10		10.9	8.9	9.5	8.5	7.4	6.9	5.8	5.7	220
225							13.3			11.4	11.3	11.7	9.6	10.1	10.4	8.6	9.1	8.4	6.9	6.8	5.7	5.3	225
230										11	10.8		9.2	9.7	9.9	8.2	8.6	8.3	6.5	6.6	5.6	4.8	230
235										10.5	10.4		8.9	9.3	9.5	7.9	8.2	8.3	6.1	6.5	5.6 5.5	4.4	235
240 245										10.1	9.9		8.5 8.2	8.8 8.4	9 8.6	7.5 7.2	7.8 7.4	8.2 7.9	5.7 5.4	6.4	5.5	4.1	240 245
250										3.1	5.5		7.9	8.1	8.2	6.9	7.4	7.5	5.4	5.9	5.3		250
255													7.6	7.7	7.8	6.5	6.7	7.1	4.7	5.5	5.3		255
260													7.2	7.4		6.2	6.4	6.7	4.4	5.1	5.3		260
265													6.9	7		5.9	6.1	6.3	4	4.7	5.3		265
270													6.6			5.5	5.7	6	3.7	4.4	5.1		270
275													6.3			5.2	5.4	5.6	3.4	4.1	4.7		275
280																4.9	5.1		3.1	3.8	4.3		280
285																4.6	4.7			3.4	3.9		285
290																4.2	4.4				3.5		290
295		otateur														3.9	4.1				3.2 TAB 14		295

#### Lifting capacities on the lattice fly jib with guyed telescopic boom Forces de levage à la fléchette treillis fixe avec flèche télescopique haubanée

	186 –	197 H	/38°		s		23	184	Ţ	m	Ţ (		<b>)</b>	308600	ZOIDS	85	%						107	
A										1	86 ft	+ 8 f	<u>*</u>										197 + 8 ft*	
ft ft	0°	23 ft 20°	40°	0°	46 ft 20°	40°	0°	69 ft 20°	40°	0°	92 ft 20°	40°	0°	115 ft 20°		0°	138 ft 20°		0°	161 ft 20°		184 ft 0°	184 ft 0°	<b>*</b>
38	100	20	40	U	20	40	U	20	40	U	20	40	0	20	40	U	20	40	U	20	40	U	U	38
40	99																							40
45	92.5	63		76.5			64.5																	45
50	87	61		73			61.5			49.5														50
55	81.5	58.9	43.3	69	49.5		58.2			48.7			36.7											55
60		56.8	42.5		49.2		55.2			47			36.4											60
65	72	54.9	41.7	61.5	47.5	34.4	52.4			45.1			35.2			28.4								65
70	68	53.2	41	58.1	46	33.8	49.7	44.2		43			34.1			27.6			21.6					70
75	64	51.6	40.4	55	44.6	33.2	47.1	43.6		41			33			26.7			21.2					75
80	60.5	50.1	39.8	52.1	43.2	32.6	44.7	42.5		38.9			32			25.9			20.5					80
85	57.2	48.7	39.2	49.4	42	32	42.5	41.3		37	30.1		30.9			25.1			19.8			15.4		85
90	54	47.3	38.7	46.8	40.9	31.5	40.5	39.8	30.6	35.3	29.4		30			24.3			19.1			14.9	14	90
95	51.2	46.1	38.2	44.4	39.8	31.1	38.5	38.1	30.3	33.7	28.7		28.9			23.5			18.5			14.4	13.7	95
100	48.6	44.9	37.7	42.1	38.7	30.6	36.6	36.4	29.8		28		27.6	21.1		22.8			17.8			13.9	13.2	100
105	46.1	43.9	37.2	40.2	37.8	30.2	34.7	34.8	29.3	30.6	27.3		26.4	21.1		22.1			17.2			13.3	12.7	105
110	43.7	42.7	37	38.4	36.8	29.8	33	33.2	28.9	29.2	26.7	21.5	25.2	20.5		21.5			16.7			12.9	12.2	110
115	41.4	40.9	36.7	36.6	35.4	29.5	31.5	31.6	28.5	27.8	26.1	21.3	24	19.9		20.8	15.1		16.2			12.4	11.8	115
120	39.2	38.9	36.5	34.8	33.8	29.1	30.1	30	28.2	26.4	25.5	21	22.9	19.4		20.2	14.9		15.6			11.9	11.4	120
125	37.2	36.9	36.2	33.1	32.2	28.8	28.8	28.5	27.8	25.2	25	20.6	21.8	19		19.5	14.4		15.2			11.5	11	125
130	35.1	35.1	35	31.4	30.7	28.6	27.5	27.2	27	24.1	24.1	20.4	20.8	18.5	14.7	18.6	14.1		14.7			11.1	10.6	130
135	33.2	33.3	33.4	29.8	29.3	28.4	26.2	26	25.8	23.1	23	20.1	19.8	18.1	14.5	17.7	13.7		14.2	10.4		10.7	10.2	135
140	31.5	31.6	31.8	28.2	28	27.8	24.8	24.8	24.7	22.1	21.9	19.9	18.8	17.6	14.3	16.9	13.3		13.8	10.3		10.3	9.9	140
145	30.3	29.9	30.2	26.7	26.6	26.5	23.6	23.7	23.6	21.1	20.7	19.6	18	17.2	14.1	16.1	13		13.3	10		9.9	9.5	145
150	29	28.8	29	25.3	25.4	25.3	22.3	22.6	22.5	20.1	19.8	19.4	17.2	16.8	13.9	15.4	12.7		12.7	9.7		9.6	9.1	150
155	27.9	27.7	27.8	23.8	24.1	24.1	21.2	21.5	21.5	19	18.9	19.2	16.4	16.4	13.7	14.7	12.3	9.9	12.2	9.5		9.2	8.7	155
160	26.8	26.6	26.6	22.7	22.9	23	20	20.5	20.6	18.1	18	18.6	15.7	16.1	13.5	14	12	9.8	11.7	9.2		8.9	8.4	160
165		25.5	25.5	21.8	21.8	21.9	18.9	19.5	19.6	17.1	17.2	17.8	14.9	15.7		13.4	11.7	9.7	11.1	9		8.5	8	165
170		24.5	24.4	21	20.8	21	17.8	18.6	18.7	16.2	16.3	17	14.2	15.1	13.1	12.7	11.4	9.5	10.6	8.7		8.3	7.6	170
175		23.5	23.3		19.9	20.1	17.1	17.6	17.8	15.3	15.6	16.3	13.6	14.4		12.1	11.2	9.4	10	8.5	6.7	7.9	7.2	175
180		22.5	22.3	19.4	19	19.3	16.4	16.7	17	14.5	14.8	15.5	12.9	13.7	12.9	11.6	11	9.3	9.5	8.3	6.6	7.4	6.7	180
185		21.6		18.6	18.2	18.5	15.8	15.9	16.2		14	14.8	12.2	13.1		11	10.8	9.2	9	8	6.5	7	6.2	185
190		20.6		17.9	17.4	17.6	15.2	15.3	15.5	12.8	13.3	14.1	11.5	12.5		10.4	10.7	9.1	8.5	7.8	6.3	6.5	5.8	190
195	19.7	19.8		17.2	16.6	16.9	14.6	14.7	14.9	12.3	12.5	13.4	10.9	11.9	12.3	9.9	10.5	9	8	7.7	6.2	6.1	5.3	195
200				16.5	15.9	16.1	14	14.1	14.3	11.8	12	12.7	10.2	11.3	11.7	9.3	10.2	8.9	7.5	7.5	6.1	5.6	4.9	200
205				15.8	15.3		13.4	13.6	13.7	11.4		12.1	9.6	10.8		8.8	9.7	8.9	7.1	7.4	6	5.2		205
210				15.1	14.6		12.9	13.1	13.1	10.9	11.1	11.6	9.2	10.2	10.7	8.3	9.3	8.8	6.6	7.3	6	4.8		210
215				14.5	14		12.4	12.5	12.5	10.5	10.6	11.1	8.9	9.7	10.2	7.8	8.8	8.7	6.2	7.1	5.9	4.4		215
220				13.8	13.5		11.8	12	12	10.1		10.6	8.5	9.2	9.7	7.3	8.4	8.6	5.7	6.9	5.8			220
225								11.5		9.7	9.8	10.2	8.1	8.8	9.2	6.9	7.9	8.4	5.3	6.5				225
230							10.8	11		9.3	9.4	9.7	7.7	8.4	8.7	6.5	7.4	8	4.9	6.1				230
235								10.6		8.9	9	9.3		8	8.3		7	7.6	4.5	5.7	5.6			235
240							9.9	10.1		8.5	8.6	8.8	7	7.6	7.9	5.7	6.6	7.2	4.1	5.3				240
245										8.2	8.2	8.4		7.2	7.5	5.3	6.2	6.8		4.9				245
250										7.8	7.8		6.2	6.8	7.1	5	5.8	6.4		4.5				250
255										7.4	7.4		5.8	6.4	6.7	4.6	5.4	6		4.1	5.1			255
260										7.1	7		5.5	6.1	6.3		5	5.6		3.8				260
265										6.7			5.1	5.7	5.9			5.1			4.3			265
270													4.8	5.3		3.6	4.2	4.7			3.9			270
275 280													4.4	5		3.2	3.9	4.3			3.5			275 280
													4.1	4.6			3.5	3.9						
285	L	tateur											3.8	4.2			3.2	3.5				AD 111	1400 /	285 46472 / 14



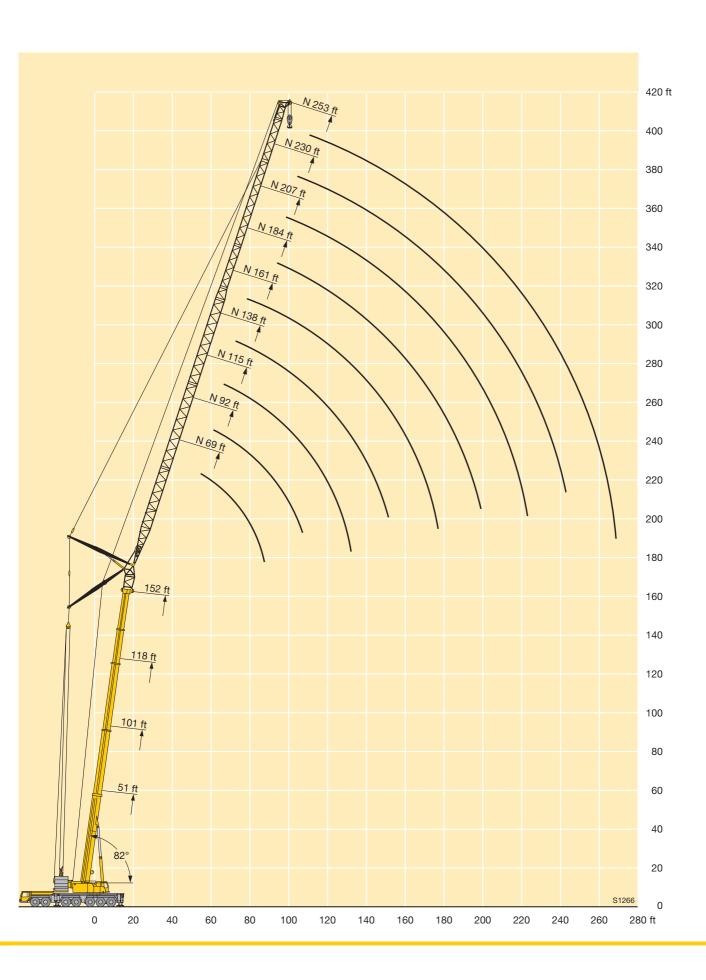
## Lifting capacities on the luffing lattice jib Forces de levage à la fléchette treillis relevable

	51-	-84 ft	46-	276 ft	ŢF	Ţ	(	360°	2205	500 lbs	85	5%											
0		82°			51	ft + 13	2 ft*		==		L					8/1	ft + 13	2 f <del>1</del> *					
<b>P</b>					31	ft	) IL									04	ft	) IL					
<b>↔</b> ft	46	69	92	115	138	161	184	207	230	253	276	46	69	92	115	138	161	184	207	230	253	276	<b>→</b>
22 24	262 262																						22 24
26	262																						26
28	262																						28
30	262											214											30
32	262	220										214											32
34	260	219										214											34
36	256	217										214											36
38	253	215	170									214	157										38
40	247	212	169	100								214	157	107									40
45	223	204	166	133								212	157	127									45
50 55		195 181	163 160	132 130	106							194	157 157	127 127	103								50 55
60		165	157	128	104	87							156	127	103	83							60
65		151	150	126	103	86							145	127	102	82.5	68						65
70		139	139	125	102	85	69						134	126	101	82	68						70
75			129	122	100	84	68.5	57.7						121	101	81.5	67.5	55.3					75
80			120	118	99.5		68	57.5						113	101	81.5	67	55.2					80
85			112	110	98.5		67	56.9	46.8					106	101	81	67	54.9	45.9				85
90			104	103	98	81	66.5	56.3	46.3	39.1				100	96	80.5	66.5	54.6	45.6	37.3			90
95				97	95	80.5	66	55.8	45.9	38.7	31.4			94	91	80.5	66.5	54.3	45.4	37.1	31	047	95
100				91.5		80	65.5	55.3	45.4	37.9	31.3				86	80	66	54	45.1	36.8	30.9		100
105 110				86 81.5	85 80.5	79.5 78.5	64.5 64	54.8 54.4	45 44.5	37.1	30.9				82 77.5	79 75	66 66	53.8 53.6	44.9 44.7	36.6 36.4	30.7	24.7	105 110
115				71	76	75.5	64	53.9	44.1	35.6	30.1				73.5		66	53.4	44.5	36.2	30.4		115
120				' '	72.5	71.5	63.5	53.4	43.8	34.9	29.6				70.0	68.5	65	53.3	44.3	36	30.2	24.1	120
125					68.5	68	63	52.9	43.4	34.2	29.1					65.5	63	53.3	44.2	35.9	30	24	125
130					65.5	65	62	52.1	43.1	33.6	28.6					62.5	60	53.2	44.1	35.7	29.8	23.8	130
135					60.5	62	60	51.3	42.8	32.9	28.1					59.5	57.8	52.9	44.1	35.5	29.5	23.6	135
140						59	57.7	50.6	42.7	32.3	27.7					56.8	55.5	52.2	44.1	35.4	29.2		140
145						56.4	55.1	49.8	42.6	31.7	27.2						53.3	51.2	44.1	35.3	28.8		145
150 155						54	52.7	49.1	42.5 42.3	31.2	26.8						51	49.4	44.1	35.3 35.3	28.5		150
160						51 45.2	50.5 48.4	48.4 47.3	42.3	30.6	26.4 26						48.9 46.9	47.6 45.8	44.1	35.3	28.1	23.1	155 160
165						40.2	46.4	45.8	41.6	29.6	25.6						40.3	44	42.3	35.3	27.5		165
170							44.6	43.9	41.2	29.1	25.3							42.2	40.8	35.3	27.2		170
175							42.7	42.2	40.4	28.6	25							40.6	39.4	35.3	26.9		175
180							39.7	40.5	39.2		24.7							39	37.9	35.2	26.6		180
185								39	37.7		24.4								36.5			22.5	185
190								37.5	36.2		24.1							36.1	35.1			22.4	190
195								36.1	34.8		23.8									32.3			195
200 205								33.9	33.5 32.3		23.5								32.5	31.1 29.9			200 205
205 210									31.1		23.2								31.3	28.8		21.9	210
215									29.9		22.7									27.7	24.8		215
220									28.2		22.5									26.7	24.7		220
225									25.7		22.3									25.7	24.4		225
230										25.4	22.1									24.8			230
235										24.9										23.9			235
240											21.8										22.1		240
245										21.7	21.6										21.3		245
250											21.1										20.5		250
255 260											20.3 19.3										19.8	18.8	255 260
260 265											17.8											17.4	265
270											15.7											16.8	270
275											13.7											16.1	275
280											. •											15.3	280

#### Lifting capacities on the luffing lattice jib Forces de levage à la fléchette treillis relevable

118 – 186 ft 69 – 276 ft 360° 220500 lbs

		82*														_										
<b>%</b>				1		+ 13 ft	ft*							152	ft + 1 ft	13 ft*					18		+ 13 <sup>-</sup>	ft*		A
<b>↔</b> ft	69	92	115	138			207	230	253	276	69	92	115	138		184	207	230	253	69	92		138	161	184	-
45	106																									45
50	106																									50
55	106	86	69								66.5															55
60	105	85.5	69								66.5	52.5								39						60
65	103	85	69	56							66	52.5	42.2							38.8	29.4					65
70	100	84.5	68.5	55.8	46.1						65	52.4	42.1	33.8						38.7	29.3					70
75	98	83.5	68.5	55.6	46						64	52.2	41.9	33.7	27					38.6	29.2	22.7				75
80		82	68	55.4	45.9						63	51.9	41.7	33.5	27					38.4	29	22.5	17.2			80
85		80.5	68	55.2	45.7	37.2					62	51.4	41.6	33.4	26.9					38.2	28.9	22.4	17.1	12.1		85
90		79	67.5	55	45.5	37	30.5					50.8	41.4	33.3	26.8	21.1				37.8	28.8	22.3	17	12.1		90
95		78	66.5	54.9	45.3	36.9	30.4	24.5				50.2	41.2		26.7		15						16.9	12.1	6.8	95
100		77						24.4	18.9						26.7		15	9.5			28.6		16.8		6.8	100
105				54.8				24.3							26.6		15	9.5			28.5	21.9	16.7	12.1	6.8	105
110								24.2		12.9					26.5		15	9.5	5.3				16.6		6.8	110
115				53.8					18.9					32.5			15	9.5	5.3						6.8	115
120			63	53.1	44.8	36.3	29.9	23.9	18.8	12.9			39.4	32.3	26.3	20.8	15	9.5	5.3			21.7	16.4	12.1	6.8	120
125				52.4				23.8					39		26.2		15	9.5	5.3			21.6	16.4	12.1	6.8	125
130				52				23.7					38.5		26.1		15	9.5	5.3			21.6	16.3	12.1	6.8	130
135				51.7				23.6								20.6	15	9.5	5.3			21.5	16.2	12.1	6.8	135
140				51.4				23.5							25.7		15	9.5	5.3				16.2		6.8	140
145								23.4						31.1	25.6	20.5	15	9.5	5.3				16.1		6.8	145
150				49	43.1	35.9		23.4						30.8		20.4	15	9.5	5.3				16.1	12.1	6.8	150
155					43			23.4								20.3	15	9.5	5.3				16.1	12.1	6.8	155
160					42.7			23.4							25.1	20.2	15	9.5	5.3					12.1	6.8	160
165					42	35.1	29.5	23.4	18.2	12.6					25	20.1	15	9.5	5.3					12	6.8	165
170					40.6	35.1	29.5	23.4	18.2	12.6					24.8	20.1	15	9.5	5.3					12	6.8	170
175						35.1	29.5	23.4	18.2	12.6					24.7	20	15	9.5	5.3					12	6.8	175
180						35	29.5	23.4	18.2	12.6						19.9	15	9.5	5.3						6.8	180
185						34.5	29.4	23.4	18.2	12.6						19.8	15	9.5	5.3						6.8	185
190						33.4	29.4	23.4	18.2	12.6						19.7	15	9.5	5.3						6.8	190
195							29.4	23.4	18.2	12.6						19.6	15	9.5	5.3						6.8	195
200								23.4									15	9.5	5.3						6.8	200
205							29.1										15	9.5	5.3							205
210							28.2	23.4	18.2	12.6							15	9.5	5.3							210
215							27.3	23.4	18.2	12.6							15	9.5	5.3							215
220								23.4	18.2	12.6							15	9.5	5.3							220
225								23.3	18.2	12.6								9.5	5.3							225
230								23	18.2	12.6								9.5	5.3							230
235								22.2	18.2	12.6								9.5	5.3							235
240									18.2	12.6								9.5	5.3							240
245									18.2	12.6									5.3							245
250									18.2	12.6									5.3							250
255									18.1										5.3							255
260									17.5										5.3							260
265										12.6									5.3							265
270										12.6																270
275										12.6																275
280										12.6																280



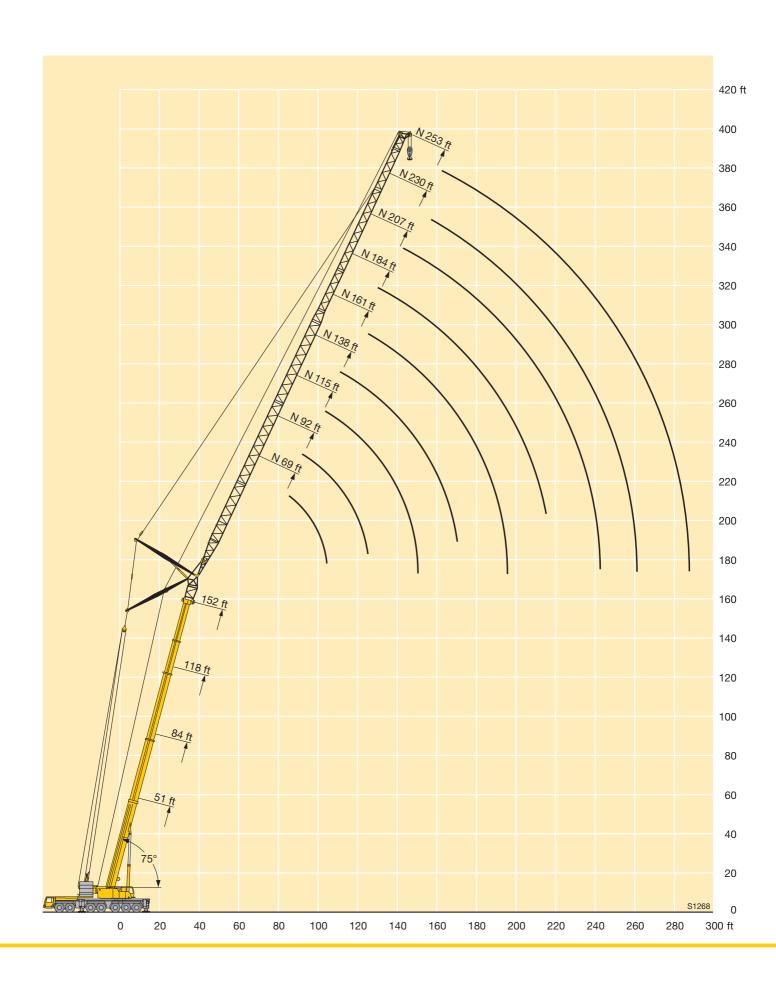
## Lifting capacities on the luffing lattice jib Forces de levage à la fléchette treillis relevable

	51 -	-84 ft	46 -	276 ft	ŢF	ij		360°	220	500 lbs	8	5%											
<u> </u>		75°			51	ft + 1:	3 ft*									84	ft + 10	3 ft*					A
			1			ft								1			ft						
38	46 217	69	92	115	138	161	184	207	230	253	2/6	46	69	92	115	138	161	184	207	230	253	276	38
40	217																						40
45	213	185																					45
50	197	184										174											50
55	107	176	151									166	149										55
60		160	150									151	147										60
65		146	144	121								138	135										65
70		135	134	119									125	116									70
75		125	124	117	96								117	112	96								75
80		120	115	114	95.5								109	105	95.5								80
85			108	106	94	78.5							101	98	94								85
90			101	99.5		78								92.5		77							90
95			94.5			77	63							87.5		76.5	63						95
100			04.0	87.5		76	63							82.5		75.5	63						100
105				82.5		75.5	62							78	75.5	72.5	63						105
110				78	77	74.5	61.5	52							71.5	69	62.5	51.2					110
115				74	73	72	61	51.6	42.1					70.0	68	65.5	62	51	42.3				115
120				70.5		68.5	60.5	51.2	41.9						65	62.5	60	50.8	42.2				120
125				70.0	66	65	59.8	50.7	41.5						62	59.8	57.5	50.6	42				125
130					62.5	62	59.6	50.7	41.2	34.1					58.9	57.3	55	50.4		34			130
135					59.8	59.1	57.6	49.9	40.8	33.6	27.6				30.3	54.9	52.7	49.9	41.7	33.9	28.1		135
140					57.1	56.4	55	49.5	40.5	33	27.5					52.5	50.5	48.7	41.6	33.8	28		140
145					07.1	53.8	52.5	49.3	40.2	32.4	27.3					50.2	48.5	46.7	41.4	33.7	28		145
150						51.5	50.2	49.1	39.9	31.8	27.1					48	46.6	44.8	41.3	33.5	27.9	22.1	150
155						49.4	48	47.4	39.6	31.3	26.8					45.9	44.8	43.1	40.7	33.4	27.9	22.1	155
160						47.3	46	45.3	39.5	30.7	26.5					40.0	43	41.4	39.6	33.3	27.9	22	160
165						45.4	44.1	43.4	39.4	30.2	26.1						41.2	39.9	38	33.2	27.8	22	165
170						43.6	42.3	41.6	39.4	29.7	25.8						39.6	38.5	36.6	33.1	27.7	22	170
175						10.0	40.7	40	38.4	29.2	25.4						38	37	35.3	32.8	27.4	22	175
180							39.1	38.4	37	28.8	25.1							35.5	34	31.9	27.1	22	180
185							37.6	36.9	35.5	28.5	24.8							34.1	32.8	30.8	26.9	22	185
190							36.2	35.5	34.1	28.1	24.5							32.8	31.7	29.6	26.6	22	190
195							00.2	34.1	32.8	27.7	24.2							31.5	30.5	28.6	26.3	21.9	195
200								32.9	31.5	27.4	24							30.4	29.3	27.6	25.8	21.9	200
205								31.7	30.3	27	23.7								28.2	26.6	25.1	21.9	205
210								30.5	29.2	26.7	23.5								27.1	25.7	24.2	21.9	210
215								29.4	28.1	26.3	23.3								26.1	24.7	23.3	21.9	215
220									27.1	25.8	23.1								25.1	23.7		21.3	220
225									26.1	25.1										22.8	21.7	20.5	225
230									25.1	24.2										21.9	20.9	19.8	230
235									24.2											21.1	20.1	19	235
240										22.4										20.3		18.3	240
245										21.6											18.5	17.6	245
250										20.8											17.8	16.9	250
255										20	18.7										17.1	16.2	255
260										18.7											16.5	15.5	260
265										10.7	17.3										15.8	14.9	265
270											16.6										13.0	14.2	270
275											16											13.6	275
280											15.4											13.1	280
285											10.4											12.5	285
_00		ptateur																				12.0	TAB 1

#### Lifting capacities on the luffing lattice jib Forces de levage à la fléchette treillis relevable

118 – 186 ft 69 – 276 ft 360° 220500 lbs

<b>A</b>				11		+ 13	ft*							152	ft + 1	3 ft*					18		+ 13 1	ft*		<u>A</u>
<b>⇔</b> ft	69	02	115	120	1  161	t  101	207	230	252	276	60	02	1115	120	ft	101	207	220	252	60	02	f   115	t  138	161	10/	<b>F</b>
70	91	32	113	100	101	104	201	200	200	210	03	32	113	100	101	104	201	200	200	03	32	113	100	101	104	70
75	88.5	78																								75
80	84.5																									80
85	81	74.5									55.9															85
90	78		63								54.1															90
95	75	69.5		53.1								46.3								33						95
100	7.5			52.9								45.1	37.8								26.5					100
105			58.9	52.5							30.0		37.8							21 5	26.5					105
110		63	57.4		43.6								36.9								25.8					110
115		61			43.4								36.1							30.4		20.4				115
100		01	55.8												25											
120 125												40.3	35.3									20.2				120 125
120				47.9			20.0						34.5	29.5	20	10.0						19.8	15.0			
130			51.4	40.7	41.6	34.9	28.6									19.8							15.3	10.0		130
135			49.9				28.6	00.0						28.3		19.7	140				22.2			10.9		135
140 145							28.5							27.7		19.4							14.6			140
145				43.3	39.2	33.9	28.4	22.6					31.3		23.3	19.2	14.3						14.3			145
150								22.6					30.8			18.8		_				17.1	13.9		6.1	150
155				40.9	37.6	32.9		22.6						25.9	22.5	18.5	14.3	9				16.6	13.5		6.1	155
160				39.4		32.3		22.6		12.1							14.3		4.9				13.1		6.1	160
165								22.6		12.1							14.3		4.9					10.5	6.1	165
170								22.6		12.1				24.4			14.3		4.9					10.3	6.1	170
175								22.5		12.1						17.2		9	4.9				12	10	6.1	175
180					32.4			22.4		12.1							13.8		4.9				11.7	9.8	6.1	180
185								22.1		12.1							13.5		4.9					9.6	6.1	185
190								21.8		12.1							13.3	9	4.9					9.3	6.1	190
195								21.5		12.1					19.8		13.1	9	4.9					9.1	6.1	195
200								21.2		12.1						15.7	12.9		4.9					8.9	6.1	200
205						25.5		20.8								15.5	12.6	9	4.9						6.1	205
210								20.5									12.4		4.9						6.1	210
215							22.7	20.2	17.3	12.1						15.2	12.2	9	4.9						6.1	215
220							21.9			12.1							12	9	4.9						6	220
225							21.2	19.3	16.8	12.1							11.8		4.9						5.8	225
230								18.6	16.5	12.1							11.7	9	4.9							230
235								18	16.2								11.7	9	4.9							235
240								17.3									11.6		4.9							240
245									15.4									8.8	4.9							245
250									14.8									8.7	4.9							250
255								15.6										8.7	4.9							255
260										11.9								8.6	4.9							260
265										11.5									4.9							265
270									12.7										4.9							270
275										10.5									4.9							275
280									12.2	10.3									4.9							280
285										9.6									4.9							285
200 290										9.0									4.3							290
																										290 295
295										8.8																295

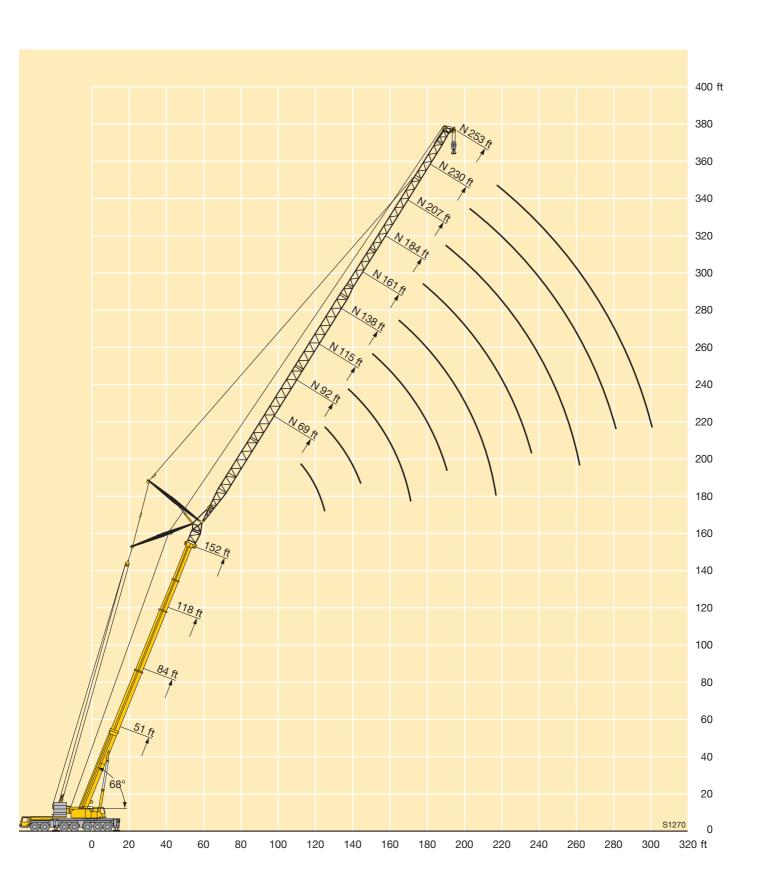


## Lifting capacities on the luffing lattice jib Forces de levage à la fléchette treillis relevable

	51-	-84 ft	46-3	276 ft	ŗF	Ţ	<b>C</b>	360°	2205	500 lbs	85	5%											
<b>A</b>		00			51	ft + 10	3 ft*									84	ft + 13	3 ft*					<b>A</b>
ft	46	69	1 00	445	100	ft	104	007	1000	050	076	46	60	92	145	100	ft	101	007	230	050	076	→ ft
50	46 179	69	92	115	138	161	184	207	230	253	276	46	69	92	115	138	161	184	207	230	253	2/6	50
55	171																						55
60	156																						60
65	143	140										129											65
70		131										120											70
75		121	120									111	103										75
80		112	111										101										80
85		105	104	102									94.5										85
90			97	95.5									89	83.5									90
95			91	89.5									83.5	80.5									95
100			85.5											76.5	69.5								100
105				79.5		74								72.5	69.5								105
110				75	74	71								68.5	66	FO 4							110
115				71	70	68.5 65.5	F7.0							65	62.5	58.4							115
120 125				67.5 64			57.2								59.8 57.1	57.4							120 125
130				61	63 60	62 59.2	57.1 56.6								54.5	54.7 52.4	49.5						130
135				01	57.2	56.4	54.8	47.2							52	50.1	47.9	44.9					135
140					54.6		52.4	47.1							49.6	48.1	45.9	44.1					140
145					52.2	51.4	50	46.8							40.0	46.1	44	42.2					145
150					49.9	49.2	47.8	46.4	38							44.1	42.3	40.5	38.2				150
155						47.1	45.7	44.9	37.9							42.2	40.6	38.9	37				155
160						45.1	43.8	43	37.7	30.6						40.5	39.1	37.4	35.5	31.1			160
165						43.3	41.9	41.2	37.6	30.5							37.6		34.1	31			165
170						41.5	40.2	39.5	37.5	30.1							36.1	34.6	32.7	30.5			170
175						39.9	38.6	37.8	36.3	29.6	24.8						34.6	33.3	31.5	29.4	25.9		175
180							37.1	36.3	34.9	29.2	24.8						33.2	32.1	30.3	28.2	25.9		180
185							35.6	34.9	33.5	28.8	24.8						31.9	30.9	29.2	27.1	25.6		185
190							34.3	33.5	32.1	28.4	24.7						30.7	29.6	28.1	26.1	24.5		190
195							33	32.2	30.8	28.1	24.4							28.5	27.1	25.1	23.6	20.4	195
200								31	29.6	27.7	24.1							27.4	26.2	24.2	22.6	20.4	200
205								29.8	28.5	27.2	23.9							26.3	25.2	23.3	21.8	20.2	205
210 215								28.7	27.4	26.4	23.7								24.2	22.4 21.6	20.9	19.7	210
220								27.7 26.7	26.3 25.3	25.3 24.3	23.4 22.8								23.2	20.8	20.1	18.9	215 220
225								20.7	24.4	23.4	22.0								21.5	20.0	18.6	17.4	225
230									23.5	22.5	21.1								20.7	19.2	17.9	16.7	230
235									22.6	21.6	20.3									18.4	17.3		235
240									21.8		19.4								. 5.5	17.7	16.6		240
245										20	18.6									17	15.9		245
250											17.9									16.3	15.2		250
255											17.2									15.7	14.6		255
260											16.5										14	13	260
265										17.2	15.8										13.4	12.4	265
270											15.2										12.8		270
275											14.6										12.3		275
280											14										11.9		280
285											13.4											10.4	285
290																						10	290
295																						9.6	295
300		ptateur																				9.2	300 TAB 14650

#### Lifting capacities on the luffing lattice jib Forces de levage à la fléchette treillis relevable

		68°		4-1	_	+ 13	f+*							152	ft i 1	3 ft∗					1.0	36 ft -	. 12	f+*		
					f	ft									ft							f	t			
<b>↔</b> ft	69	92	115	138	161	184	207	230	253	276	69	92	115	138	161	184	207	230	253	69	92	115	138	161	184	<b>→</b> 1
95	68																									95
100	64.5																									100
105	61.5																									105
110	59	56									41.3															110
115			49.6								40.1	04.4														115
120			48.9								38.5	34.4														120
125 130		50.4		40.1								34.3 33								22 E						125 130
135		40.4	45.4 43.6									31.9	20							22.5						135
140				39.6	25.0							30.8								21.0	17.6					140
145				38.2								30.0	26.6								17.5					145
150				36.6									25.7	22 6							16.8					150
155				35.2		29 6							24.9									13.1				155
160			07.2	33.9		29.2								21.2	18.5						10.2	12.8				160
165				32.6	30.7	28.3							23.5	20.5	18.4							12.3				165
170						27.4	24.7							19.8								11.9	9.7			170
175						26.3								19.3		14.1						11.5	9.5			175
180						25.3		20								13.9						11.2	9.1	7.3		180
185						24.3		19.9						18.2	16.2	13.5							8.8	7.3		185
190					25.5	23.4	22.3	19.4						17.7	15.7	13	11						8.6	7		190
195					24.6	22.5	21.4	18.9	16.3							12.6							8.3	6.8	4.8	195
200					23.8			18.4									10.4						8	6.5	4.6	200
205								17.9								11.9		8						6.3	4.4	205
210								17.1								11.6								6.1	4.2	210
215								16.4							13.8	11.3		7.5	4.9					5.9	4	215
220						18.8		15.8								11	9.3	7.3	4.9					5.6	3.8	220
225 230							17	15.1								10.7	9	7	4.9					5.4	3.6	225
								14.5								10.5	8.8	6.8	4.9						3.4	230
235 240								13.9 13.4								10.3		6.6	4.9						3.2	235 240
245								12.8		10.2 9.7							8.3	6.4	4.8						3 2.8	240
250							14.7	12.3		9.7							7.9	6	4.7						2.0	250
255								11.8		8.7							7.7	5.8	4.4							255
260									10.5	8.3							7.6	5.6	4.2							260
265								10.9		7.8							7.0	5.4	4							265
270								70.0	9.1	7.4								5.2	3.8							270
275									8.7	7								5	3.6							275
280									8.3									4.9	3.5							280
285									7.9	6.2									3.3							285
290									7.6	5.8									3.1							290
295									7.2	5.4									3							295
300										5.1									2.9							300
305										4.8																305
310										4.5																31



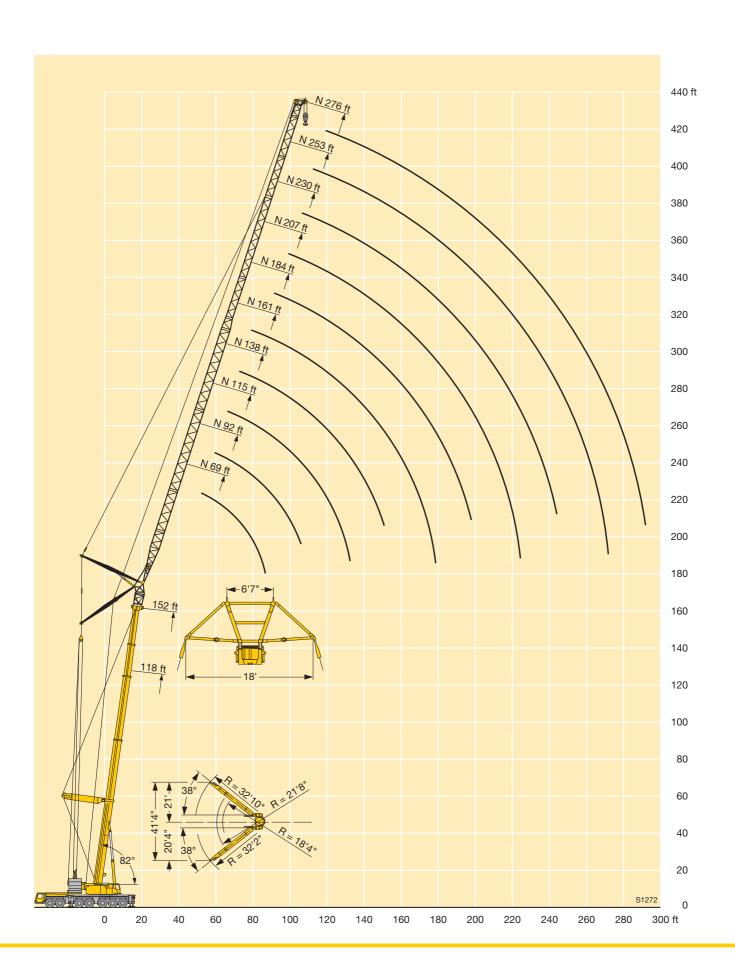
#### Lifting capacities on the luffing lattice jib with guyed telescopic boom Forces de levage à la fléchette treillis relevable avec flèche télescopique haubanée

	118 –	186 ft	3	88°			<u> </u>	69	9 - 27	6 ft	ŢF	٦Ţ	(	30	) 60°	2205	00 lbs		85%	6								
Δ.		82°	Y	1	18 +	S 13 f	t*		<b>F</b>		<u> </u>	-1		15	2 ft -		ft*						186	ft +	13 ft	*		<b>A</b>
ft ft	69	92	115		f	t		230	253	276	69	92	115		f	t		230	253	276	69			ft			207	
45	154	0L	110	100	101	104	201	200	200		00	02	110	100	101	104	201	200	200	270		0L	10	100	101		201	45
50	147	129									113																	50
55	139		105								110	96									84							55
60	131		104								104	95									83.5							60
65			104	82							99.5		81.5								79.5							65
70	116		100	82	66.5						95.5			66.5							75.5		62.5					70
75	109		97	82	66.5						92	83.5			55.8						72.5		61					75
80		102	94	82	66.5						89	80.5			55.8						69.5		58.4					80
85		97		81.5							87	77.5			55.8								56.1					85
90		92	88.5			54.1						74.5			55.4								53.9					90
95		87	85.5				44.5					72.5			54.3								51.9					95
100		81.5		74.5			44.5								52.6								50				21.8	100
105			78				44.5		30				62	55.8				28.2					48.3				21.8	105
110							44.5		30				60		49.5							52.3	46.7				21.8	110
115							44.5			23.5									22.6				45.2	41.3	37.7	33.3	21.8	115
120			66.5				44.5			23.5									22.6							32.3		120
125							44.5			23.5			57		45.4				22.6							31.2		125
130							44.5			23.5			54.6		44.2				22.6							30.2		130
135							44.4			23.5				47.7					22.6				42.1			29.2		135
140							44			23.5				47.2	41.9	37.3	33.2	28.2	22.6	17.2				35.5	32.1	28.3	21.8	140
145				52.8	51.6		43.2			23.5									22.6							27.5		145
150				49	49.6		42.4			23.5				45.6					22.6					34.5		26.7		150
155							41.6												22.6					34		25.9		155
160							40.9												22.6							25.1		160
165							40.1								39.3		29.6		22.5							24.4		165
170					42.4		39.3									32.6		25.5		17.2					28.3	23.7		170
175							38								36.9		28.3		21.6						28	23.3		175
180							36.7												21.2							23	20	180
185							35.5												20.8								19.4	185
190						35.4	34.3												20.5								18.9	190
195									27.1							31			20.1							22.3	18.6	195
200									26.8										19.7							22.1	18.5	200
205							30.6		26.5										19.4								18.3	205
210							29.5		26.1										19.1								18.1	210
215							28.4		25.8										18.7								18	215
220									25.3								24.9		18.5								17.8	220
225									24.5										18.4									225
230									23.6										18.3									230
235									22.7										18.3									235
240									21.9									20.5	18.3									240
245									21										18.2									245
250									20.3										18.1									250
255									19.5										17.6									255
260									18.8										16.9									260
265										16.8										13.9								265
270										16.2										13.9								270
275										15.5										13.8								275
280										14.9										13.3								280
285																				12.7								285

25 LTM 1400-7.1

TAB 146503

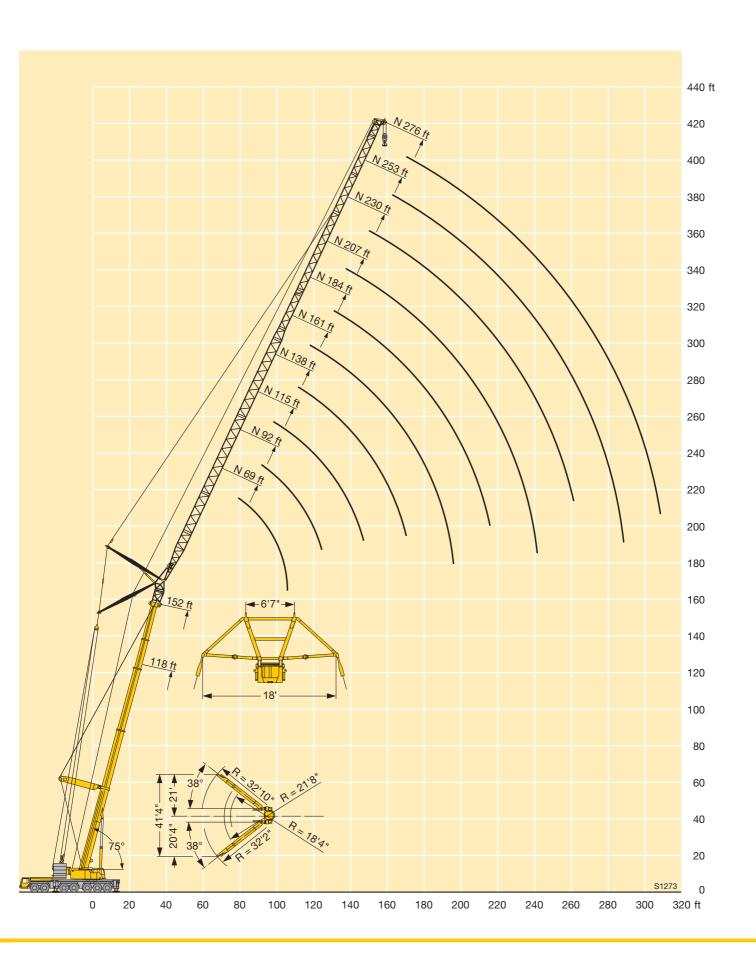
\* adapter / pièce d'adaptateur



#### Lifting capacities on the luffing lattice jib with guyed telescopic boom Forces de levage à la fléchette treillis relevable avec flèche télescopique haubanée

	118 –	- 186 f	t /	38°			$\geq$	6	69 – 27	76 ft				3	60°		500 lb:		OEO	/								
		75	Y			s			X		Ţ	7	1	* 4	7				<b>85</b> <sup>9</sup>	<b>0</b>								
<u> </u>				1	18 +	- 13 f	t*							15	2 ft	+ 13	ft*						186	ft + 1	3 ft	*		<u> </u>
↔ ft	69	92	115	138	161	ft   <sub>184</sub>	207	230	253	276	69	92	115	138	1 161	t 184	207	230	253	276	69	92	115	ft 138	161	184	207	→ ft
70	111																											70
75		96.5																										75
80		95.5									77.5																	80
85		89.5									74																	85
90		84.5									70.5										54.6							90
95	83.5		76.5								68		56.9								53	47.0						95
100 105			72.5								65.5	58.2	56.2								50.6	47.3						100 105
110			69 65.5	66.5										47.2									39.2					
115			62.5		58 56.9	50						54.3			41.7						40.0			34.4				110 115
120		05.5				49.5								44.3										33.8				120
125						48.2						32.0	46.4 46.9	42.7	30.7							38.6		32.5				125
130							41.7							41.2		34.2								31.2	28.3			130
135						45.7		34.9					44 2	39.9	37 1	33.3	29.3					36.5	32.7	29.9	27.5			135
140						44.2		34.6						38.8								00.0		28.8				140
145						42.4		33.8						37.7										27.8				145
150							38.2						41.6	36.6	33.8	30.1	27.1	23.7					29.6				18.7	150
155				42.8			37							35.6			26.3										18.1	155
160				41.1	39.2	37.5	35.6	31.8	27.9								25.5										17.4	160
165					37.8	36.1	34.3	31.2	27.4	22.6							24.7							24.6			16.7	165
170					36.4	34.8	32.9	30.6	26.9	22.6				33.7	30.6	27	23.9	21.3	18.5	15				23.8	21.4	18.3	16	170
175					35.1	33.5	31.7	29.6	26.4	22.4							23.3			14.6				23.6	20.9	17.7	15.4	175
180					33.7		30.5			22.1					29.4	25.8	22.7	20.1	17.5	14.3							14.8	180
185							29.4										22.2										14.2	185
190							28.4										21.8										13.8	190
195						29	27.4								27.2		21.3								19		13.4	195
200							26.4										20.8								18.9	15.3		200
205						26.8	25.5										20.4										12.6	205
210 215									21.8 21								19.9 19.5			12.1							12.3	210 215
220									20.3							21.9			14.3								11.9 11.6	220
225									19.5									16.2		11.3							11.3	225
230							21.3		18.8										13.6							14.5	10.9	230
235									18.1										13.3								10.9	235
240									17.5									15.3		10.5							10.9	240
245									16.8									15	12.7	10.3							10.9	245
250									16.1										12.4									250
255									15.4											9.9								255
260									14.8	13.4									11.9									260
265									14.2	12.8									11.6	9.4								265
270										12.2										9.2								270
275									13	11.8									10.7									275
280										11.4									10.3									280
285										10.9									9.9									285
290										10.5										7.8								290
295										10.1										7.4								295
300										9.7										7								300
305																				6.7								305 TAB 1465

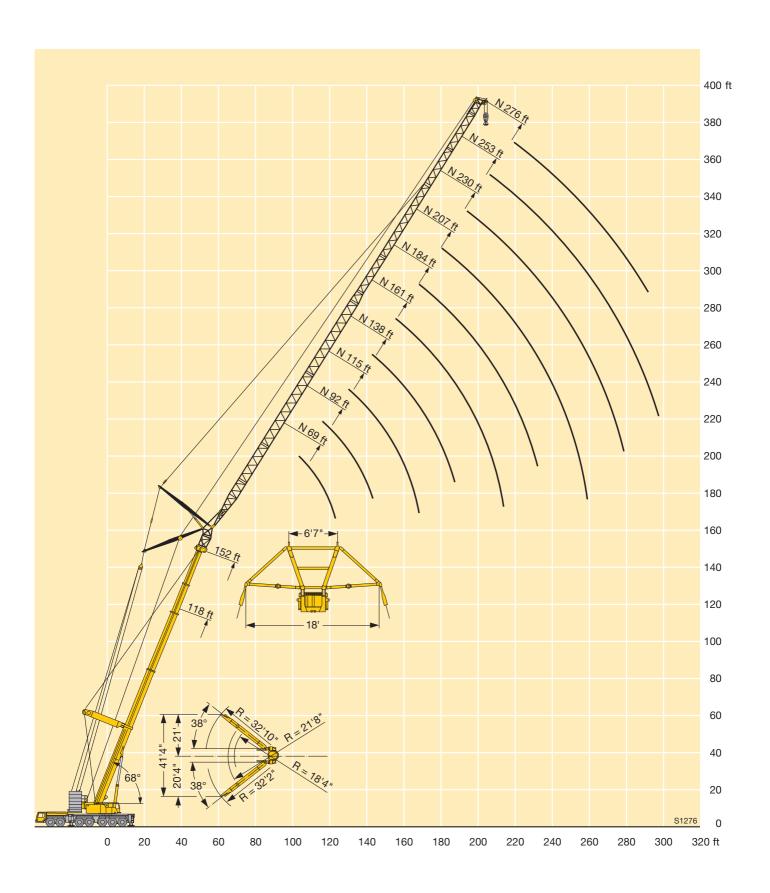
\* adapter / pièce d'adaptateur TAB 146506



#### Lifting capacities on the luffing lattice jib with guyed telescopic boom Forces de levage à la fléchette treillis relevable avec flèche télescopique haubanée

	118 -	186 f	t	38°			$\geq$	6	9 - 27	76 ft	TF	7	1 (		360°	220	500 lb:		<b>85</b> %	<b>/</b> 0								
		68°	Y		A	s					Ī.	• <u>1</u>		*			;=		00 /									
<u>A</u>				1	18 +		ft*							15	52 ft	+ 13	ft*						186	ft + 1	3 ft*	:		<u> </u>
ft.	00	00	445	100		ft laga	007	230	امده	070		100	laar	1400		t  104	007	اممم	امده	070	00		laar	ft	101	1404	007	ft.
90	69 75.5		115	138	101	184	207	230	253	276	69	92	115	138	101	184	207	230	253	2/6	69	92	115	138	101	184	207	90
95	73																											95
100		62.5																										100
105		62.5									55.6																	105
110	62.5	59.4									53.1																	110
115			52.3								50.9	46.6																115
120		54	51.4								49	45.9									37.2							120
125		51.6										43.9									35.5							125
130			46.9									42.2									34	31.2						130
135			44.9	42.8								40.6									32.7	30.2						135
140			43.1	41	37.4							39.1	36.4	32.5									25.2					140
145			41.4											32.3									25.1					145
150			39.8	37.7	35.7								33.9	31								26.7						150
155			38.2											29.9								25.7		20.6				155
160 165				34.9	32.9	31.2								28.8										20.2				160
170					31.6		26.8							27.8		22 E								19.3				165 170
170							25.8						29.1	26.7										18.5				170
180				31	29.3	26.6	24.8	22							24.4 23.5		10/						10.7	17.8 17.2	15.9	12.4		175
185					20.2	25.6	24.0	21.8						23.0	22.6	20.4	10.4						19.7	16.7				185
190								20.8							21.8									16.1				190
195					1	23.8			18.9					20			17	148								11.3	96	195
200								19.2		15.9							16.4									10.9		200
205								18.4									15.7									10.5		205
210								17.6									15.1									10.2		210
215								16.9									14.4								12	9.8	8.2	215
220								16.2								15.5	13.8	12.4	11	8.8					11.7	9.5	7.8	220
225							17.5	15.6	14.8	13						15	13.3	11.9	10.5	8.6					11.6	9.2	7.5	225
230							16.8		14.2								12.7			8.2						8.9	7.2	230
235								14.4								13.9			9.5	7.7						8.5	6.9	235
240								13.8		11.2							1	10.4		7.2						8.3	6.6	240
245							14.8	13.3									11.2	9.9								8.1	6.3	245
250									11.9								10.8	9.4		6.3							6.1	250
255									11.4								10.4	9	7.6								5.8	255
260								11.7		9.2							10	8.6		5.4							5.6	260
265								11.3	10.5									8.2		5							5.5	265
270 275									10	8.3 7.9								7.8		4.7								270 275
275									9.6	7.9								7.4	6 5.7	3.9								275
285									8.8	7.5								1	5.3	3.6								285
290									8.4	6.7									5.5	3.3								290
295									8.1	6.3									4.7	2.9								295
300									0.1	6									4.4	2.6								300
305										5.6										2.3								305
310										5.3																		310
+ / ! > -					-			1			-			-							-							TAD 140500

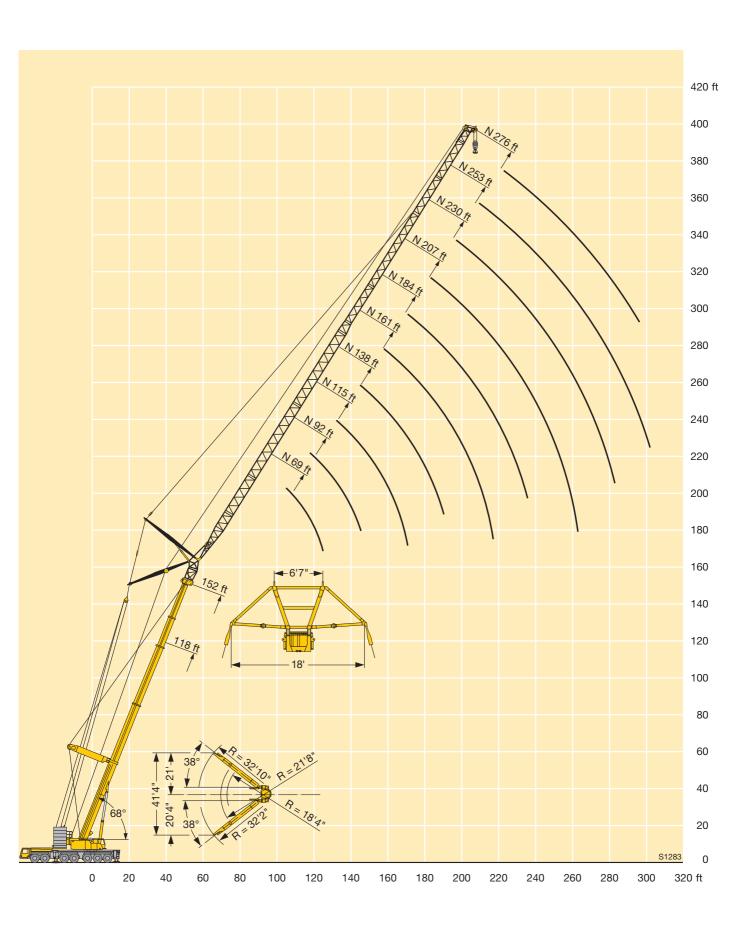
\* adapter / pièce d'adaptateur TAB 146509

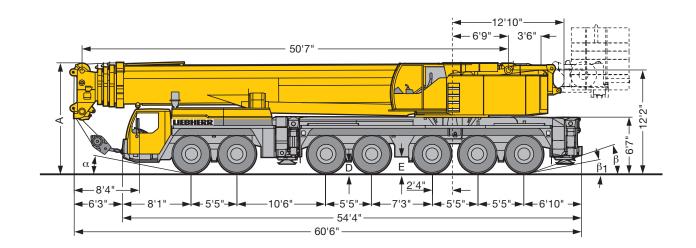


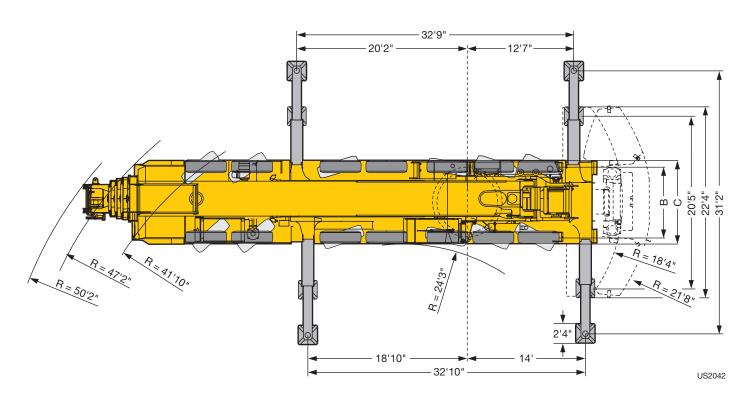
#### Lifting capacities on the luffing lattice jib with guyed telescopic boom Forces de levage à la fléchette treillis relevable avec flèche télescopique haubanée

		00	•	40.0	10.6	\							40.0					400		0 (1*		
<b>A</b>			1		+ 13 f	[*					1	52 ft -	+ 13 ft t	.*				186	ft + 1 ft	3 ft*		
<b>↔</b> ft	115	138	161		207	230	253	276	115	138	161	184	7	230	253	276	115	138		184	207	<b>/</b> →
115	61																					115
120	59.9																					120
125	57.5																					125
130		51.7							39													130
135		50.4							37.8													135
140	49.9	48.5	44.1							32.5							25.2					140
145	47.7	46.4	43.9							32.3							25.1					145
150	45.7	44.4	42.5						34.1	31							24					150
155	43.8	42.5	41	37.3						29.9							23	20.6				155
160		40.7	39.5						32.3	28.9							22.1					160
165		39.1			04.6					28.1		00.5					21.4	19.3	40.5			165
170		37.5	36.2		31.6				31.5	27.4		22.5					20.7	18.5				170
175		36		33.6		000				26.7		21.9	40.4				20.1	17.8	15.9	40.4		175
180			33.4		30.3					26	23.9						19.7	17.2	15.3			180
185 190			32.1	31	29.6					25.5								16.7	14.7	12.3		185
195			30.8 29.7			25.4 24.9	21.0			25.3	22.7	19.8 19.3		14.8				16.1 15.6	14.1 13.6	11.8	9.6	190 195
200				27.4		24.9		18.4			21.5	18.8	16.4	14.6					13.0	10.9	9.0	200
205			20.0			23.6		18.3			21.3	18.2		13.9	117			15.5	12.8	10.9	8.9	205
210						22.6		17.9			20.8			13.4	11.7				12.4		8.6	210
215							20.2	17.5			20.8		14.8	12.9	11.3				12.4	9.8	8.2	215
220						20.7	19.8	17.1			20.0		14.3	12.4	11	8.8			11.7	9.5	7.8	220
225				20.0		19.9	19.3	16.8				16.1	13.9	11.9	10.6	8.7			11.6	9.2	7.5	225
230						19.1	18.6	16.4				15.9	13.4	11.6	10.1	8.3				8.9	7.2	230
235					19.8	18.3	17.7	16.1					12.9	11.2	9.7	7.9				8.5	6.9	235
240					19.1	17.6	17	15.5					12.5	10.8	9.4	7.5				8.3	6.6	240
245					18.4	16.8	16.3	14.9					12.2	10.5	9	7.2				8.1	6.3	245
250						16.1	15.6	14.2					12	10.2	8.7	6.8					6.1	250
255						15.5	14.9	13.5					12	9.8	8.4	6.4					5.8	255
260						14.9	14.3	12.8					12	9.5	8.1	6.2					5.6	260
265						14.3	13.7	12.3						9.3	7.8	5.9					5.5	265
270							13.1	11.8						9.1	7.5	5.6						270
275							12.5	11.4						9.1	7.3	5.4						275
280							12.1	11						9.1	7	5.1						280
285							11.7	10.6							6.7	4.9						285
290							11.3	10.2							6.6	4.6						290
295							10.9	9.8							6.6	4.4						295
300								9.4							6.6	4.1						300
305 310								9								3.9						305 310
315								8.7								3.8						310
320																3.8						320
325																3.8						325

\* adapter / pièce d'adaptateur TAB 146507







				Dimens	ions / Encom	brement			
	Α	А	В	С	D	Е	α	β	$\beta_1$
		6"/4"*							
445/95 R 25 (16.00 R 25)	13'1"	12'10"	8'4"	9'10"	1'3"	1'6"	11°	19°	11°
525/80 R 25 (20.5 R 25)	13'1"	12'10"	8'10"	10'7"	1'3"	1'6"	11°	19°	11°
* lowered / abaissé					'			•	•

#### Weights Poids



Axle	1	2	3	4	5	6	7	Total weight (lbs)
Essieu								Poids total lbs
lbs	26400	26400	26400	26400	26400	26400	26400	185000 lbs



Load (kips)	No. of sheaves	No. of lines	Weight lbs
Forces de levage kips	Poulies	Brins	Poids lbs
525.5	11	22	8149
443	9	18	7268
376	7	14	5947
285	5	10	5066
187	3	6	3964
82	1	3	3083
28	_	1	1321

#### Working speeds Vitesses



<b>(S)</b>	2	1	2	3	4	5	6	7	8	9	10	11	12	R 1	R 2	<b>1</b>
445/95 R 25 (16.00 R 25)	(mph)	3.5	4.5	5.8	7.5	9.5	12.2	16.1	20.6	26.7	34.2	43.4	50	3.8	4.9	39.7 %



Drive	infinitely variable	Rope diameter / Rope length	Max. single line pull
Mécanismes	en continu	Diamètre du câble / Longueur du câble	Effort au brin maxi.
	0 – 426 ft/min single line ft/min au brin simple	1" / 1378 ft	28415 lbs
2	0 – 426 ft/min single line ft/min au brin simple	1" / 1378 ft	28415 lbs
3	0 – 492 ft/min single line ft/min au brin simple	1" / 2542 ft	28415 lbs
(360°)	0 – 1.5 rpm		
	approx. 70 seconds to reach 82° boom angle env. 70 s jusqu'à 82°		
4	approx. 380 seconds for boom extension from 51 ft – 197 ft env. 380 s pour passer de 51 ft – 197 ft		

## Equipment Equipement

Crane carrier		
Frame	Self-manufactured, torsion-resistant box-type design of high-tensile fine grained structural steel.	
Outriggers	Four hydraulically extendable sliding beams with hydraulic supporting rams and supporting pads fixed for the transport. The front outrigger casing is located between axles 2 and 3, the rear outrigger casing at the rear of the carrier. Supporting basis: 32,8 ft longitudinally x 31,2 ft transversally.	
Engine	8-cylinder Diesel, make Liebherr, type D9508 A7, watercooled, output 450 kW (612 h.p.) at 1900 rpm. Exhaust emissions acc. to 97/68/EG stage 3 and EPA/CARB Tier 3. Max. torque 2095 lbs-ft at 1100 – 1500 rpm. Fuel reservoir: 153 gallons.	
Transmission	Automatic transmission system with converter control clutch, make ZF, type TC-TRONIC with 12 forward speeds and 2 reverse speeds, tansfer case with transfer differential.	
Axles	Robust crane carrier axles. All axles steered, axles 1, 3 and 5 are driven planetary axles, axle 3 with longitudinal differential, all driven axles with transverse differential.	
Cardan shafts	All cardan shafts with 70° diagonal toothing.	
Suspension	All axles on hydropneumatic suspension with automatic levelling control. Automatic axle pressure equalization between the axle pairs 1 + 2, 3, 4 + 5 and 6 + 7. The suspension can be blocked hydraulically.	
Tyres	14-fold, all axles equipped with single tyres. Tyre size: 445/95 R 25 (16.00 R 25).	
Steering	ZF semi-integral power steering, dual circuit system with hydraulic servo mechanism and additional emergency pump driven by the axle, acting on the mechanically interlinked axles 1 – 3. Axles 4 – 7 are steered electrohydraulically during road displacement and fixed to straight displacement from 18 mph. Steering in accordance with EC recommendation 70/311/EEC.	
Brakes	Service brake: All-wheel servo-air brake, dual circuit system.  Additional brakes: Exhaust pipe flap retarder, retarder mounted to shift gear, TELMA-type eddy current brake (optional).  Hand brake: Spring-loaded brake, acting on all wheels of the 2nd to the 7th axle. Brakes acc. to EG directives 71/320 EWG.	
Driver's cab	Spacious cab of sheet steel, on rubber shock absorbers. Safety glas windows.	
Electrical system	Modern data bus technology, 24 Volt DC, 2 batteries of 170 Ah each, lighting acc. to German regulations StVZO.	

Crane superstructure		
Frame	Self-manufactured, torsion-resistant welded construction of high-tensile fine grained steel, linked to the carrier by a three-row roller slewing rim for continuous rotation.	
Crane engine	6-cylinder Diesel engine, make Liebherr, type D936L A6, watercooled, 240 kW (326 HP) at 1800 rpm, max. torque 1125 lbs-ft at 1500 rpm. Exhaust emissions acc. to 97/68/EG and EPA/CARB. Fuel tank: 66 gallons.	
Crane drive	Diesel-hydraulic with 4 axial piston variable displacement pumps with servo-control and capacity regulation.	
Control	Two self-centering control levers (joy-stick type). Stepless control of all crane motions by variation of the hydraulic pumps, additional speed regulation by variation of the Diesel engine speed.	
Hoist gear	Axial piston variable displacement motor, Liebherr rope winch with integrated planetary gear and spring-loaded static brake.	
Luffing gear	2 differential rams with safety check valve.	
Slewing gear	Hydraulic motor, planetary gear, slewing pinion and spring-loaded static brake.	
Crane cab	Spacious cab in sheet steel version, with safety glazing, operating and control elements. Cab inclinable to the rear.	
Safety devices	LICCON safe load indicator, hoist limit switches, safety valves against rupture of pipes and hoses.	
Counterweight	220500 lbs counterweight comprising: 1 base slab 33000 lbs + 11100 lbs, 6 slabs of 22000 lbs each, 4 slabs of 11100 lbs each. Hydraulic ballasting device at the counterweight frame.	
Telescopic boom	1 base section and 4 telescopic sections. All telescopic sections extendable individually by rapid-cycle telescoping system TELEMATIK. Boom length: 51 ft – 197 ft.	
Electrical system	Modern data bus technology, 24 Volt DC, 2 batteries of 170 Ah each.	

## Additional equipment

Telescopic boom guying system	Consisting of guying frames with stay ropes, tiltable hydraulically into transport position.	
Bracing	Spacer 18' width	
Lattice jibs	Fixed lattice jib 23 ft – 184 ft long, at 0°, 20° or 40°, lattice luffing jib 46 ft – 276 ft long.	
2 <sup>nd</sup> hoist gear	For 2-hook operation.	
3 <sup>rd</sup> hoist gear	For the variation of the lattice luffing jib.	
Additional ballast	4 additional counterweight slabs of 22000 lbs each for a total counterweight of 308600 lbs.	
Drive 14 x 8	The 6th axle is driven additionally.	

Other items of equipment available on request.

## Equipment Equipement

Châssis porteur		Partie tournante	
Châssis	Châssis résistant à la torsion de fabrication Liebherr, en acier à grains fins très résistant.	Châssis	Structure soudée de fabrication Liebherr, résistante à la torsion, en acier à grains fins
Stabilisateurs  Quatre poutres télescopiques hydrauliques avec vérins de calage hydrauliques et patins de calage fixes lors du transport. Le support avant des poutres télescopiques est fixé			très résistant. Une couronne d'orientation à roulements à 3 rangées, servant d'élément de liaison avec le châssis porteur, permet une rotation illimitée de la partie tournante.
	entre les essieux 2 et 3, le support arrière à l'arrière du châssis porteur. Base de calage: 32,8 ft long x 31,2 ft transversal.		Diesel, 6 cylinders, marque Liebherr, type D936L A6, refroidi par eau, puissance 240 kW (326 ch) à 1800 rpm, couple max. 1125 lbs-ft à 1500 rpm. Emissions des gaz
Moteur	Moteur diesel, 8 cylindres, fabriqué par Liebherr, de type D9508 A7, à refroidissement par eau, de 450 kW (612 ch) à 1900 rpm. Emissions des gaz d'échappement		d'échappement conformes aux directives 97/68/EG et EPA/CARB. Réservoir à carburant: 66 gallons.
	conformes aux directives 97/68/EG partie 3 et EPA/CARB Tier 3. Couple max. 2095 lbs-ft à 1100 – 1500 rpm.		Diesel-hydraulique avec pompes à débit variable à 4 pistons axiaux, servocommande et régulation de la puissance.
Réducteurs	Capacité du réservoir à carburant: 153 gallons. Système de réducteurs automatique avec convertisseur-embrayage, marque ZF, type TC-TRONIC avec 12 marches AV et 2 marches AR, boîte de transfert avec différentiel répartiteur.	Commande	Deux manipulateurs à 4 directions, à centrage automatique. Régulation progressive de tous les mouvements de la grue par réglage des pompes hydrauliques. Régulation supplémentaire de la vitesse par réglage du régime du moteur diesel.
Essieux	Essieux robustes. Tous essieux directeurs, essieux 1, 3 et 5 moteurs, essieu 3 avec différentiel longitudinal, tous les essieux	Treuil de levage	Moteur à cylindrée variable à pistons axiaux, treuil Liebherr avec réducteur planétaire intégré et frein d'arrêt commandé par ressort.
Flasque de	directeurs avec différentiel transversal.  Tous les flasques de croisillons avec denture	Mécanisme de relevage	2 vérins différentiels avec clapet de sécurité anti-retour.
croisillons Suspension	en croix 70°.  Tous les essieux sont suspendus hydropneumatiquement avec une régulation automatique de niveau. Compensation de charge sur les essieux 1 + 2, 3, 4 + 5 et 6 + 7. Suspension à blocage hydraulique.	Mécanisme d'orientation	Moteur hydraulique, réducteur planétaire, pignon du mécanisme d'orientation et frein d'arrêt commandé par ressort.
		Cabine tourelle	Cabine spacieuse en tôle électrozinguée avec vitres de sécurité, instruments de commande et de contrôle, cabine inclinable vers l'arrière.
Pneumatiques	14 fois, chaque essieu est équipé de pneus. Monte de pneumatiques: 445/95 R 25 (16.00 R 25).	Dispositif de sécurité	Contrôleur de charge LICCON, limiteur de course, clapets de sécurité contre les ruptures de conduites et de flexibles.
Direction	Direction hydraulique semi-bloc ZF, 2 circuits avec servocommande hydraulique et pompe de secours supplémentaire, entraînée par l'essieu, action sur les essieux 1 à 3 liés mécaniquement.  En mode de translation sur route, direction électro-hydraulique des essieux 4 à 7 et conduite en ligne droite activée à partir de 18 mph. Direction conforme à la directive européenne 70/311/CEE.	Contrepoids	Contrepoids de 220500 lbs composé de: 1 plaque de base de 33000 lbs + 11100 lbs, 6 éléments de 22000 lbs, 4 éléments de 11100 lbs. Dispositif de lestage hydraulique au support contrepoids.
		Flèche télescopique	1 élément de base et 4 éléments télescopiques. Tous les éléments télescopiques peuvent être sortis individuellement grâce au système de télescopage rapide TELEMATIK.
Freins	Frein de service: servo-frein pneumatique pour toutes les roues, 2 circuits. Freins supplémentaires: frein avec clapet sur échappement, ralentisseur, monté sur boîte de vitesse, frein Telma (en option).	Circuit électrique	Longueur de la flèche: 51 ft – 197 ft.  Technologie de bus de données moderne, courant continu 24 Volts, 2 batteries de chacune 170 Ah.
	Frein à main: accumulateur à ressort, agissant sur toutes les roues des essieux 2 à 7. Freins conformes aux directives européennes 71/320 CE.		
Cabine porteur	Cabine spacieuse en tôle électrozinguée, suspension par silent blocs. Vitres de sécurité.		
Other trade of the state of the	Trade and a standard services and a services and a services		

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Technologie de bus de données moderne, courant continu 24 Volts, 2 batteries de

chacune 170 Ah, éclairage conforme au code de la route allemand.

Circuit électrique

## Equipment Equipement

Equipement	supplémentaire
Haubanage de la flèche télescopique	Composé du chevalet d'haubanage avec haubanage du câble, rabattable hydrauliquement en position de transport.
Haubanage	Pièce intermédiaire de largeur 18'
Fléchette à treillis	Fléchette à treillis fixe de 23 ft – 184 ft, montage possible sous 0°, 20° ou 40°, fléchette à treillis à volée variable de 46 ft – 276 ft.
2ème treuil de levage	Pour le mode 2 crochets.
3ème treuil delevagePour le réglage de la fléchette à treil	
Contrepoids complémentaire	4 plaques complémentaires de 22000 lbs, pour une masse totale de 308600 lbs.
Entraînement 14 x 8	Le 6ème essieu est également entraîné.

Autres équipements supplémentaires sur demande.