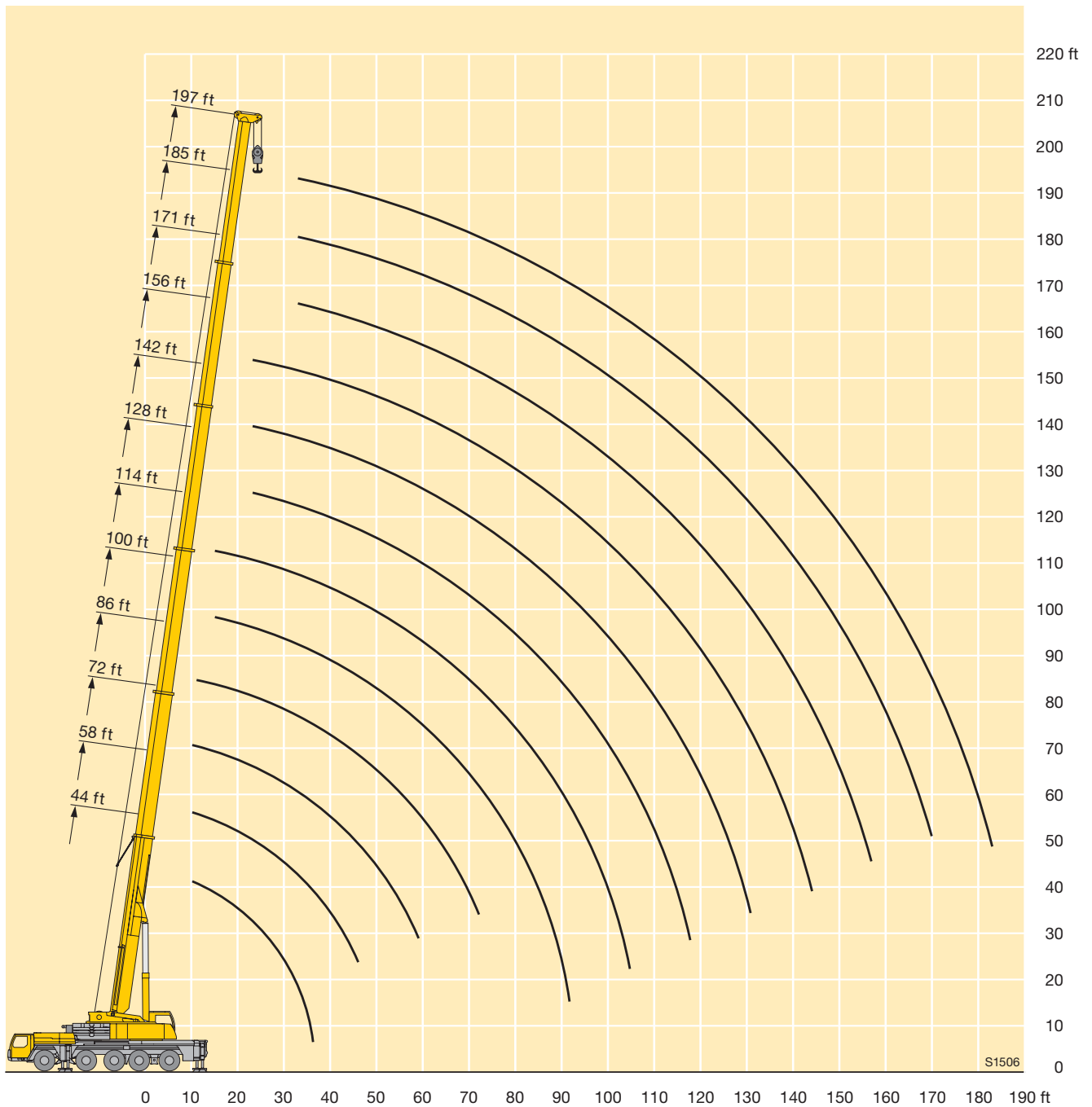




LIFTING CHARTS - All Terrain Cranes


LIEBHERR MODEL LTM 1220-5 - 270 TON CAPACITY

Lifting heights Hauteurs de levage



STERLING CRANE

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

ft													ft	
	44 ft	58 ft	72 ft	86 ft	100 ft	114 ft	128 ft	142 ft	156 ft	171 ft	185 ft	197 ft		
10	514	335	308	306	306								10	
12	326	326	305	301	298								12	
14	294	294	284	276	270	249							14	
16	267	267	259	252	247	238							16	
18	248	248	241	234	229	222	196						18	
21	222	222	216	210	205	202	191	141					21	
24	200	200	196	191	187	184	179	139	112				24	
27	179	179	179	175	172	168	164	131	111	91			27	
30	160	160	165	161	159	155	151	124	107	90.5	73		30	
33	137	137	151	149	147	143	140	117	103	87.5	73		33	
36	102	102	139	138	137	134	130	110	98.5	84.5	71	59.7	36	
39			128	129	128	125	121	103	94	81	69	58.5	48.5	39
45			104	113	113	111	107	92.5	85.5	75	64.5	55.6	46.8	45
51				99	99.5	98	95.5	82.5	78	69	60	52.3	44.6	51
57				83	86	85	83.5	75.5	71	64	56.1	49.2	42.2	57
63					75	74	72.5	70.5	65	59.4	52.6	46.1	39.8	63
69					66	65.5	63.5	64.5	59.7	54.9	49.4	43.4	37.5	69
75					49.8	58.1	57.9	58.2	54.9	51	46.4	41	35.5	75
81						52.1	53.7	52.1	50.2	47.7	43.6	38.6	33.6	81
87						44.3	48.5	46.8	45.3	44.8	41.1	36.3	31.7	87
93							44.1	42.3	41.6	41.5	38.6	34.5	30	93
99							39.8	38.4	39.2	37.6	36.4	32.6	28.5	99
105								35	35.8	34.1	33.8	30.8	27	105
111								33.1	32.8	31.1	31.3	29.4	25.6	111
117								28	30.1	29.2	28.7	28	24.4	117
123									27.7	27.4	26.3	25.8	23.3	123
129									24.8	25.5	24.5	23.7	22.2	129
135										23.6	22.9	21.7	21.1	135
141										21.2	21.3	20	19.9	141
147											19.7	18.3	18.5	147
153											18	16.9	17	153
159												15.5	15.7	159
165												14.3	14.4	165
171													13.2	171
177													12.2	177
183													10.6	183

* over rear / en arrière

TAB 151259 / 151263

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 298 kips/335 kips only with additional pulley block/special equipment.

Remarques relatives aux tableaux des charges

1. Les forces de levage indiquées ne dépassent pas 85% de la charge de basculement.
2. La norme DIN 15018, 3ème partie est appliquée pour les charpentes. La construction de la grue est réalisée conformément à la norme DIN 15018, 2ème partie, et aux règles de la F. E. M.
3. A 85% de la charge de basculement, il a été tenu compte d'un vent de force 5 = vitesse de vent 20 mph.
4. Les portées de levage sont données en kips.
5. Les poids des mouffes 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 dépliée déposée.
8. Les forces de levage sont modifiables sans préavis.
9. Forces de levage plus de 298 kips/335 kips seulement avec moufle additionnel/équipement supplémentaire.

STERLING CRANE







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

	 44 – 197 ft		 360°	 119000 lbs	85%												
	44 ft	58 ft	72 ft	86 ft	100 ft	114 ft	128 ft	142 ft	156 ft	171 ft	185 ft	197 ft					
10	335	308	306	306													
12	326	305	301	298													
14	294	284	276	270	249												
16	267	259	252	247	238												
18	248	241	234	229	222	196											
21	222	216	210	205	202	191	141										
24	200	196	191	187	184	179	139	112									
27	179	179	175	172	168	164	131	111	91								
30	160	164	161	159	154	149	124	107	90.5	73							
33	137	149	149	147	140	132	117	103	87.5	73							
36	102	133	135	132	125	118	110	98.5	84.5	71	59.7						
39		120	121	119	113	107	102	94	81	69	58.5	48.5					
45		98	100	99	94.5	89.5	88.5	84	75	64.5	55.6	46.8					
51			83.5	83.5	80.5	78	76	72	69	60	52.3	44.6					
57			71.5	71.5	69.5	69.5	66	62.5	61.5	56.1	49.2	42.2					
63				62	61	61.5	57.9	56.5	54.5	51.9	46.1	39.8					
69				54.5	53.4	54.6	51.2	51.2	48.2	47.2	43.4	37.5					
75				43.9	47.4	48.7	46.6	45.7	43.5	42.4	40.4	35.5					
81					42.5	43.5	43.3	41.1	40	38.3	36.7	33.6					
87					37.5	39	39.5	37.1	36.3	35.2	33	31.7					
93						35.3	35.7	33.9	32.9	31.9	29.7	29.6					
99						33	32.4	31.7	30	29	26.9	26.8					
105							29.4	29.3	28	26.4	24.4	24.3					
111							26.8	26.7	25.7	24.2	22.2	22.1					
117							24.6	24.3	23.4	22.1	20.2	20.1					
123								22.2	21.3	20.2	18.4	18.4					
129								20.4	19.4	18.4	16.8	16.7					
135									17.7	16.7	15.2	15.3					
141									16.1	15.1	13.7	13.9					
147										13.7	12.3	12.5					
153										12.5	11	11.2					
159											9.8	10					
165											8.8	8.9					
171												7.9					
177												7					
183												6.2					

TAB 151264

STERLING CRANE

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

	 44 - 197 ft		 360°	 97000 lbs	85%									
	 ft	44 ft	58 ft	72 ft	86 ft	100 ft	114 ft	128 ft	142 ft	156 ft	171 ft	185 ft	197 ft	 ft
10		335	308	306	306									10
12		326	305	301	298									12
14		294	284	276	270	249								14
16		267	259	252	247	238								16
18		248	241	234	229	222	196							18
21		222	216	210	205	202	191	141						21
24		199	196	191	187	182	174	139	112					24
27		177	178	173	170	160	149	131	111	91				27
30		155	157	154	147	139	131	123	107	90.5	73			30
33		133	137	136	130	123	116	110	103	87.5	73			33
36		101	122	121	116	110	103	101	96.5	84.5	71	59.7		36
39			108	109	104	99	93.5	92.5	87.5	81	69	58.5	48.5	39
45			88.5	90	86.5	82.5	81.5	77.5	73.5	70.5	64.5	55.6	46.8	45
51				75.5	73.5	70	70	66	65	61.5	59	52.3	44.6	51
57				64	63.5	61	60.5	58.4	56.8	54.2	52.3	49.2	42.2	57
63					55.1	53.5	53.1	52.2	49.7	48.2	46.6	44.3	39.8	63
69					48.9	47	47	46.5	44.5	43.2	41.5	39	37.5	69
75					41.2	41.3	42.7	41.5	40.4	38.8	36.9	34.6	34.3	75
81						36.7	39.1	37.3	36.4	34.7	32.9	30.7	30.6	81
87						33.6	35	33.7	32.8	31.3	29.5	27.4	27.3	87
93							31.5	30.7	29.8	28.2	26.6	24.5	24.5	93
99							28.5	27.9	27.1	25.6	24	22	21.9	99
105								25.2	24.6	23.3	21.7	19.7	19.7	105
111								22.8	22.2	21.2	19.7	17.8	17.7	111
117								20.7	20.1	19.1	17.9	16	15.9	117
123									18.2	17.3	16.2	14.3	14.3	123
129									16.6	15.6	14.6	12.9	12.9	129
135										14	13	11.5	11.5	135
141										12.7	11.6	10.2	10.3	141
147											10.3	8.9	9.1	147
153											9.2	7.7	8	153
159												6.7	6.9	159
165												5.8	5.9	165
171													5	171
177													4.2	177
183													3.4	183

TAB 151265

STERLING CRANE

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

		44 - 197 ft		360°		75000 lbs		85%							
		44 ft	58 ft	72 ft	86 ft	100 ft	114 ft	128 ft	142 ft	156 ft	171 ft	185 ft	197 ft		
10	335	308	306	306	306									10	
12	326	305	301	298	298									12	
14	294	284	276	270	270	249								14	
16	267	259	252	247	238	238								16	
18	248	241	234	229	222	192								18	
21	220	216	208	202	193	179	141							21	
24	192	191	182	173	162	150	136	112						24	
27	165	162	156	147	138	129	122	111		91				27	
30	139	140	134	127	120	113	110	104	90.5	73				30	
33	120	122	118	112	106	102	98	92	87.5	73				33	
36	101	108	104	99.5	94	93.5	88	82.5	79.5	71	59.7			36	
39		96.5	93.5	89.5	85	84.5	79.5	77	73.5	69	58.5	48.5		39	
45		77.5	77.5	74	71.5	70.5	68.5	65	63	59.8	55.6	46.8		45	
51			65	64.5	60.5	60	58.9	56.8	54.6	52	49	44.6		51	
57			55	56.1	51.7	52.9	50.8	49.4	47.4	45.1	42.3	41		57	
63				48.5	45.7	46.7	44.7	43.2	41.3	39.2	36.6	36.3		63	
69				42	41.3	41.3	39.6	38	36.2	34.2	31.8	31.6		69	
75				36.9	37.1	36.7	35.1	33.6	31.9	30.1	27.8	27.6		75	
81					32.7	32.7	31.3	29.9	28.3	26.5	24.3	24.2		81	
87					29	29.1	28	26.7	25.1	23.5	21.4	21.3		87	
93						25.9	25.2	23.9	22.4	20.8	18.8	18.8		93	
99						23.1	22.5	21.5	20.1	18.5	16.5	16.5		99	
105							20	19.4	18	16.5	14.6	14.6		105	
111							17.9	17.3	16.2	14.7	12.8	12.8		111	
117							16.1	15.4	14.5	13.1	11.2	11.3		117	
123								13.8	12.8	11.7	9.8	9.9		123	
129								12.4	11.3	10.3	8.6	8.6		129	
135									10	9	7.4	7.5		135	
141									8.8	7.8	6.3	6.4		141	
147										6.7	5.2	5.4		147	
153										5.7	4.2	4.4		153	
159											3.3	3.5		159	

TAB 151267

		44 - 197 ft		360°		48500 lbs		85%							
		44 ft	58 ft	72 ft	86 ft	100 ft	114 ft	128 ft	142 ft	156 ft	171 ft	185 ft	197 ft		
10	335	308	306	306	306									10	
12	326	305	301	298	298									12	
14	294	284	276	270	270	249								14	
16	267	259	252	243	228	228								16	
18	244	236	224	213	197	157								18	
21	207	197	183	172	159	146	125							21	
24	169	159	152	142	132	125	119	98.5						24	
27	139	134	127	120	113	110	102	96	82.5					27	
30	118	114	109	104	99	96	90	87	81.5	69.5				30	
33	101	99	95.5	91	87	84.5	82	77.5	73.5	69.5				33	
36	86	87	84.5	83.5	77	75.5	73.5	70	67	64	59.6			36	
39		77.5	76	75	69	70	66.5	64	61	57.6	53.8	48.5		39	
45		62	62.5	61.5	59.4	58	55.4	53	50.4	47.6	44.3	43.1		45	
51			51.9	51.5	50.2	48.6	46.6	44.5	42.2	39.8	36.9	36.4		51	
57			43.1	43.8	42.6	41.4	39.6	37.8	35.8	33.7	31	30.7		57	
63				37.5	36.7	35.7	34.1	32.5	30.7	28.7	26.3	26.1		63	
69				32.2	31.9	31	29.6	28.1	26.5	24.6	22.4	22.3		69	
75				27.9	27.9	27.2	25.8	24.5	22.9	21.2	19.1	19		75	
81				24.2	24	24	22.7	21.4	20	18.3	16.3	16.3		81	
87				21.1	21.2	21.2	20	18.8	17.4	15.9	13.9	13.9		87	
93					18.5	18.5	17.7	16.6	15.2	13.7	11.8	11.8		93	
99					16.2	16.2	15.6	14.6	13.3	11.8	9.9	9.9		99	
105							13.6	12.9	11.6	10.2	8.3	8.4		105	
111							11.9	11.3	10.1	8.7	6.9	7		111	
117							10.4	9.8	8.8	7.4	5.6	5.7		117	
123								8.4	7.5	6.2	4.5	4.6		123	
129								7.3	6.2	5.2	3.5	3.5		129	
135									5.2	4.1				135	
141									4.2	3.1				141	

TAB 151269

STERLING CRANE

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

		44 - 197 ft		360°		26500 lbs		85%																	
								85%																	
		44 ft		58 ft		72 ft		86 ft		100 ft		114 ft		128 ft		142 ft		156 ft		171 ft		185 ft		197 ft	
10	ft	329	297	297	278																				ft
12		297	292	291	267																				10
14		269	269	257	225		192																		12
16		242	235	211	192		173																		14
18		211	198	180	165		149		122																16
21		166	154	144	132		122		114		94.5														18
24		132	126	118	110		103		98		91														21
27		107	105	99.5	93.5		87.5		85		80.5		74.5		63.5										24
30		86	89	85.5	83.5		76		75		70		66.5		62.5		51.5								27
33		71.5	76	74.5	72.5		69		66		62		58.5		55		51.2								30
36		60	64.5	65	63.5		61		58.4		55.3		52		48.9		45.5		41.6						33
39			55.3	57.5	56.6		54.5		52.3		49.5		46.7		43.9		40.8		37.3				36		36
45			42.2	44.5	45.9		44.4		42.7		40.5		38.2		35.8		33.3		30.3				29.7		39
51				35.3	37		36.7		35.4		33.6		31.7		29.6		27.4		24.7				24.3		45
57				28.6	30.2		30.5		29.8		28.2		26.5		24.7		22.7		20.2				20		51
63					25.1		25.4		25.3		23.9		22.4		20.8		18.9		16.6				16.5		57
69					21.1		21.3		21.5		20.4		19		17.5		15.8		13.6				13.6		63
75					17.9		18.1		18.2		17.5		16.2		14.8		13.1		11.1				11.1		69
81							15.3		15.5		14.9		13.8		12.5		10.9		8.9				8.9		75
87							13		13.1		12.6		11.8		10.5		9		7.1				7.1		81
93									11.1		10.6		10		8.7		7.3		5.4				5.5		87
99									9.5		8.9		8.4		7.2		5.8								93
105											7.4		6.9		5.9										99
111											6.2		5.7		4.7										105
117											5.1		4.5		3.7										111
123													3.6												117
129													2.8												123
																									129

TAB 151361

		44 - 197 ft		360°		0 lbs		85%																	
								85%																	
		44 ft		58 ft		72 ft		86 ft		100 ft		114 ft		128 ft		142 ft		156 ft		171 ft		185 ft		197 ft	
10	ft	327	297	295	231																				ft
12		294	283	254	219																				10
14		255	227	199	176		142																		12
16		201	180	161	144		129																		14
18		163	149	135	124		111		92.5																16
21		120	113	106	100		90		85.5		68.5														18
24		92.5	88.5	84.5	80.5		75.5		70		65		52.7												21
27		73	71.5	69	66.5		63		59		54.9		50.8		41.3										24
30		58.6	58.8	57.6	56.2		53.5		50.5		47.1		43.7		40.4		32.3								27
33		46.6	49.4	49	48.2		46.1		43.7		40.9		38		35.1		32								30
36		37.9	42.2	42.1	41.8		40.2		38.2		35.8		33.3		30.8		27.9		24.6						33
39			35.8	36.7	36.7		35.3		33.8		31.6		29.4		27.1		24.5		21.5				20.7		36
45			26.3	28.5	28.9		27.9		26.8		25		23.2		21.3		19.1		16.4				16.1		39
51				22	23.1		22.4		21.5		20		18.5		16.7		14.8		12.4				12.3		45
57				16.9	18.6		18.1		17.4		16.1		14.8		13.2		11.4		9.2				9.2		51
63					14.8		14.8		14.2		13		11.8		10.3		8.7						6.6		57
69					11.7		11.9		11.6		10.5		9.3		8		6.4								63
75					9.3		9.5		9.4		8.4		7.3												69
81							7.4		7.6		6.6														75
87							5.8		5.9																81

TAB 151362