

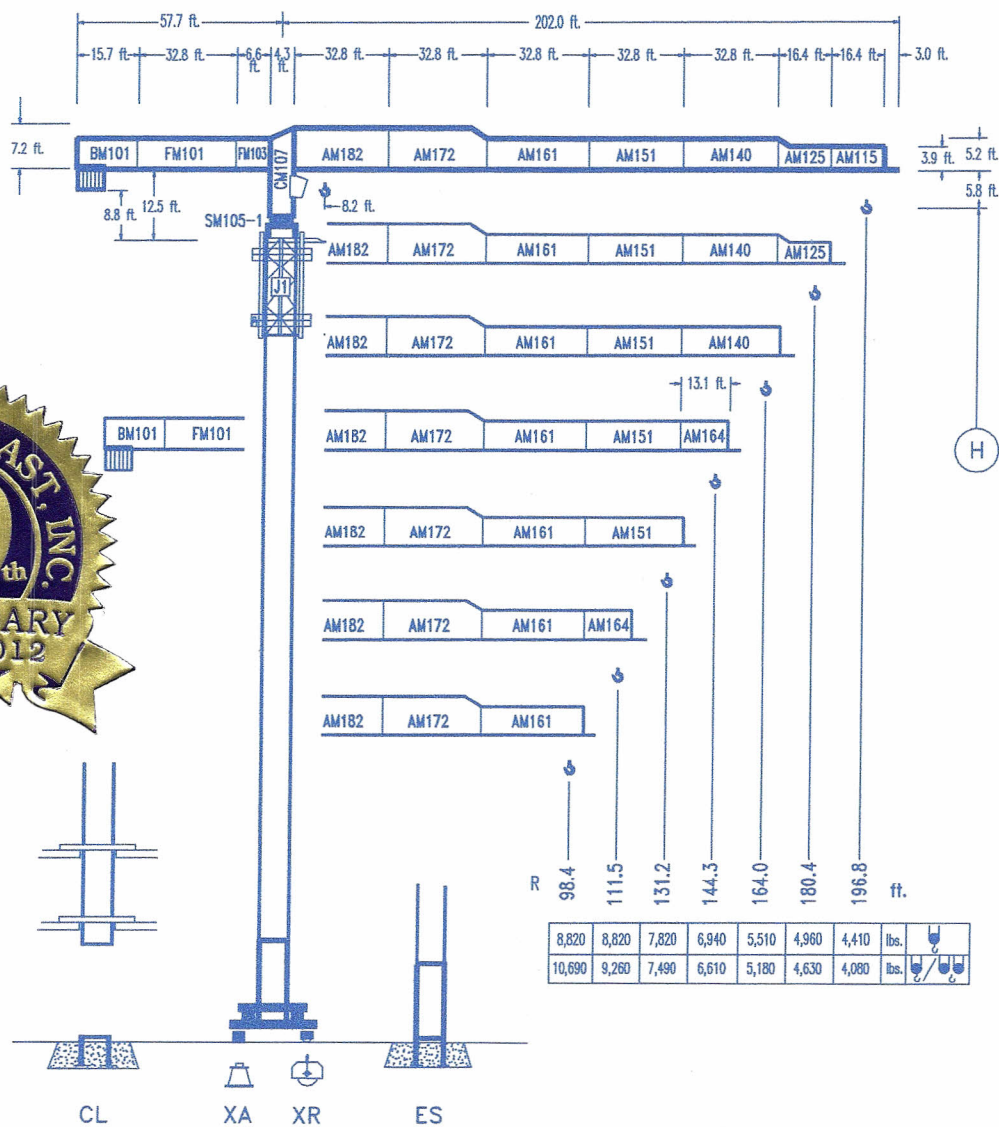


COMANSA

LINDEN 1000

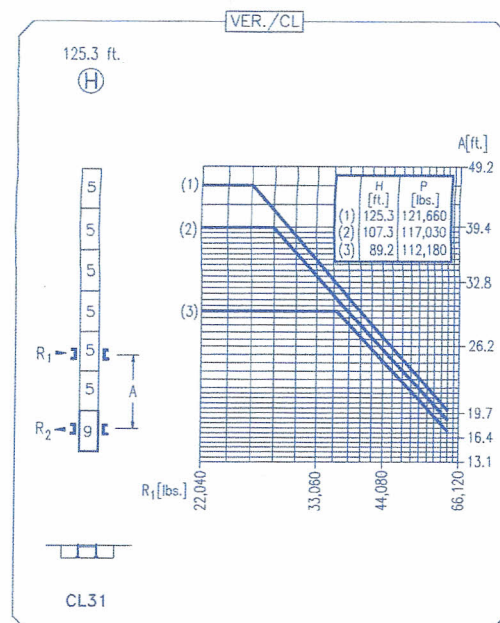
10 LC 140

17,630 lbs.



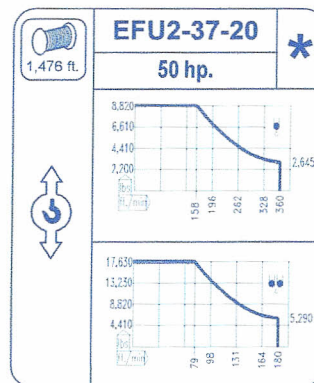
CE
DIN 15018 H1 B3

R		R(Cmax)	Cmax	82.0	98.4	111.5	131.2	144.3	164.0	180.4	196.8	ft.
196.8		108.6 ft.	8,820	8,820	8,820	8,560	7,120	6,380	5,490	4,900	4,410	
		57.4 ft.	17,630	11,820	9,590	8,280	6,820	6,060	5,170	4,570	4,080	
180.4		109.9 ft.	8,820	8,820	8,820	8,660	7,210	6,460	5,550	4,960		
		58.0 ft.	17,630	11,950	9,690	8,360	6,890	6,140	5,230	4,630		
164.0		108.9 ft.	8,820	8,820	8,820	8,590	7,140	6,400	5,510			
		57.4 ft.	17,630	11,850	9,600	8,300	6,830	6,080	5,180			
144.3		116.8 ft.	8,820	8,820	8,820	8,820	7,750	6,940				
		61.7 ft.	17,630	12,790	10,390	8,990	7,420	6,610				
131.2		118.1 ft.	8,820	8,820	8,820	8,820	7,820					
		62.0 ft.	17,630	12,910	10,490	9,080	7,490					
111.5		111.5 ft.	8,820	8,820	8,820	8,820						
		63.0 ft.	17,630	13,160	10,690	9,260						
98.4		98.4 ft.	8,820	8,820	8,820							
		63.0 ft.	17,630	13,160	10,690							



R. máx.	Fuera de servicio	1XR31 ... 180,070 lbs.
	Out of service	3XR51 ... 197,040 lbs.
	Hors service	5XR71 ... 276,380 lbs.
	Ausser Betrieb	

TRA-7.5VC
2 x 55 ft.lbs.
0  78 ft./min
5XR71



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**COMANSA**

TECHNICAL SPECIFICATIONS

LOAD CHART

010 0006 IA

10LC140



distance trolley (ft.)	hook radius (ft.)						
	98.4	111.5	131.2	144.3	164.0	180.4	196.8
49,2	8820	8820	8820	8820	8820	8820	8820
52,4	8820	8820	8820	8820	8820	8820	8820
55,7	8820	8820	8820	8820	8820	8820	8820
59,0	8820	8820	8820	8820	8820	8820	8820
62,3	8820	8820	8820	8820	8820	8820	8820
65,6	8820	8820	8820	8820	8820	8820	8820
68,8	8820	8820	8820	8820	8820	8820	8820
72,1	8820	8820	8820	8820	8820	8820	8820
75,4	8820	8820	8820	8820	8820	8820	8820
78,7	8820	8820	8820	8820	8820	8820	8820
82,0	8820	8820	8820	8820	8820	8820	8820
85,3	8820	8820	8820	8820	8820	8820	8820
88,5	8820	8820	8820	8820	8820	8820	8820
91,8	8820	8820	8820	8820	8820	8820	8820
95,1	8820	8820	8820	8820	8820	8820	8820
98,4	8820	8820	8820	8820	8820	8820	8820
101,7		8820	8820	8820	8820	8820	8820
104,9		8820	8820	8820	8820	8820	8820
108,2		8820	8820	8820	8820	8820	8820
111,5		8820	8820	8820	8590	8660	8560
114,8			8820	8820	8320	8385	8290
118,1			8820	8725	8060	8120	8030
121,3			8545	8460	7810	7875	7780
124,6			8290	8205	7575	7635	7550
127,9			8050	7970	7355	7415	7330
131,2			7820	7750	7140	7210	7120
134,5				7525	6945	7000	6920
137,7				7325	6755	6810	6730
141,0				7130	6575	6625	6550
144,3				6940	6400	6450	6375
147,6					6235	6285	6210
150,9					6075	6125	6055
154,1					5925	5975	5905
157,4					5780	5830	5760
160,7					5640	5690	5620
164,0					5510	5550	5490
167,3						5425	5360
170,6						5300	5240
173,8						5185	5120
177,1						5070	5005
180,4						4960	4900
183,7							4790
187,0							4690
190,2							4595
193,5							4500
196,8							4410

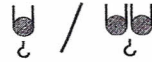
**COMANSA**

TECHNICAL SPECIFICATIONS

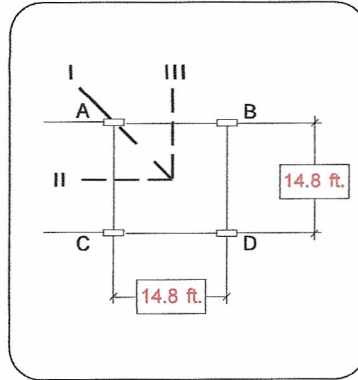
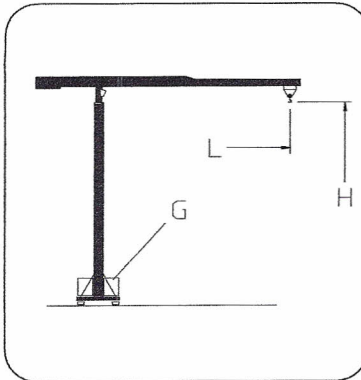
010 0006 IA

LOAD CHART

10LC140



distance trolley (ft.)	hook radius (ft.)						
	98.4	111.5	131.2	144.3	164.0	180.4	196.8
49,2	17630	17630	17630	17630	17630	17630	17630
52,4	17630	17630	17630	17630	17630	17630	17630
55,7	17630	17630	17630	17630	17630	17630	17630
59	17630	17630	17630	17630	17155	17300	17125
62,3	17630	17630	17570	17410	16145	16285	16120
65,6	16895	16905	16595	16440	15245	15375	15220
68,8	16000	16010	15715	15570	14430	14555	14405
72,1	15190	15200	14920	14780	13695	13810	13670
75,4	14450	14460	14190	14060	13020	13135	13000
78,7	13775	13785	13530	13400	12410	12515	12385
82	13160	13160	12910	12790	11850	11950	11820
85,3	12585	12595	12355	12240	11325	11425	11305
88,5	12055	12065	11840	11725	10845	10940	10825
91,8	11570	11575	11355	11250	10400	10495	10385
95,1	11115	11120	10910	10805	9990	10075	9970
98,4	10690	10690	10495	10390	9600	9690	9590
101,7		10300	10105	10005	9245	9325	9225
104,9		9930	9740	9645	8905	8985	8890
108,2		9585	9400	9305	8590	8670	8575
111,5		9260	9080	8990	8300	8360	8280
114,8			8775	8690	8015	8085	8000
118,1			8490	8405	7750	7820	7735
121,3			8220	8140	7500	7570	7485
124,6			7965	7885	7265	7330	7250
127,9			7725	7645	7040	7105	7030
131,2			7490	7420	6830	6890	6820
134,5				7200	6625	6690	6615
137,7				6995	6435	6495	6420
141				6800	6250	6310	6240
144,3				6610	6080	6140	6060
147,6					5910	5965	5900
150,9					5750	5805	5740
154,1					5600	5655	5590
157,4					5455	5505	5440
160,7					5315	5365	5300
164					5180	5230	5170
167,3						5100	5040
170,6						4975	4915
173,8						4855	4795
177,1						4740	4680
180,4						4630	4570
183,7							4465
187							4365
190,2							4265
193,5							4170
196,8							4080



S In service
 FS Out of service
 L Hook radius (ft.)
 H Height under hook (ft.)
 G Base ballast (x1000) lbs.
 SR Two falls
 SR/DR Two/four falls
 Z Max. FS pressure (x1000) lbs.
 X Max. S pressure (x1000) lbs.
 V Horizontal force FS (x1000) lbs.
 W Horizontal force S (x1000) lbs.

H °		156.1	138.1	120.0	102.0	83.9	65.9			
L °	MAST SECTION COMPOSITION	S14 + TS14 + (6x) S13	S14 + TS14 + (5x) S13	S14 + TS14 + (4x) S13	S14 + TS14 + (3x) S13	S14 + TS14 + (2x) S13	S14 + TS14 + S13			
196.8	G	190	155	131	107	95	83			
	Z	187	142	112	88	74	69			
	X	148	132	119	107	98	91			
	V	28	26	24	22	19	17			
	W	7	7	6	6	6	5			
180.4	G	190	155	131	107	95	83			
	Z	182	137	110	86	75	70			
	X	147	130	118	106	97	90			
	V	28	26	24	21	19	17			
	W	7	7	6	6	6	5			
164.0	G	190	155	131	107	95	83			
	Z	179	135	108	84	74	70			
	X	145	129	116	104	96	88			
	V	28	26	24	21	19	17			
	W	7	7	6	6	6	5			
144.3	G	190	155	131	107	95	83			
	Z	169	130	104	80	76	72			
	X	148	131	119	107	98	91			
	V	28	25	23	21	19	17			
	W	7	7	6	6	6	5			
131.2	G	190	155	131	107	95	83			
	Z	165	128	102	81	76	73			
	X	148	131	118	106	98	90			
	V	28	25	23	21	19	17			
	W	7	7	6	6	6	5			
111.5	G	190	155	131	107	95	83			
	Z	160	125	99	79	75	71			
	X	147	131	118	106	98	90			
	V	27	25	23	21	19	16			
	W	7	7	6	6	6	5			
98.4	G	190	155	131	107	95	83			
	Z	158	123	97	79	75	71			
	X	147	131	118	106	98	90			
	V	27	25	23	21	18	16			
	W	7	7	6	6	6	5			

L °		196.8	180.4	164.0	144.3	131.2	111.5	98.4
ENSERVICIO	I	A	148	147	145	148	148	147
		B	79	79	78	79	78	78
		C	79	79	78	79	78	78
		D	10	11	12	10	8	8
	II	A	126	125	124	126	126	125
		B	33	33	34	32	31	30
		C	126	125	124	126	126	125
		D	33	33	34	32	31	30
	III	A	126	125	124	126	126	125
		B	126	125	124	126	126	125
		C	33	33	34	32	31	30
		D	33	33	34	32	31	30

3XA51

3XR51

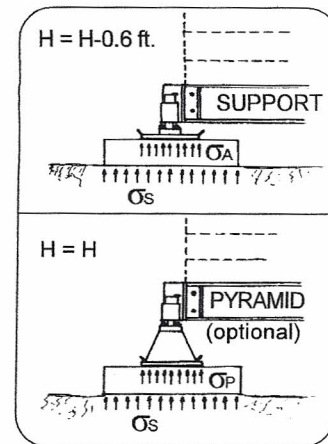
SR/DR 17,630 lbs.

L °		196.8	180.4	164.0	144.3	131.2	111.5	98.4
FUERADESERVICIO	I	A	187	182	179	169	165	158
		B	63	65	65	70	71	71
		C	63	65	65	70	71	71
		D	0	0	0	0	0	0
	II	A	136	134	132	129	127	123
		B	21	22	22	26	27	27
		C	136	134	132	129	127	123
		D	21	22	22	26	27	27
	III	A	136	134	132	129	127	123
		B	136	134	132	129	127	123
		C	21	22	22	26	27	27
		D	21	22	22	26	27	27

3XA51

	A x A x h (ft.)
D1	3.3 x 3.3 x 1.6
D2	3.9 x 3.9 x 1.6
D3	4.6 x 4.6 x 1.6
D4	5.3 x 5.3 x 1.6
D5	5.9 x 5.9 x 1.6
D6	6.6 x 6.6 x 1.6

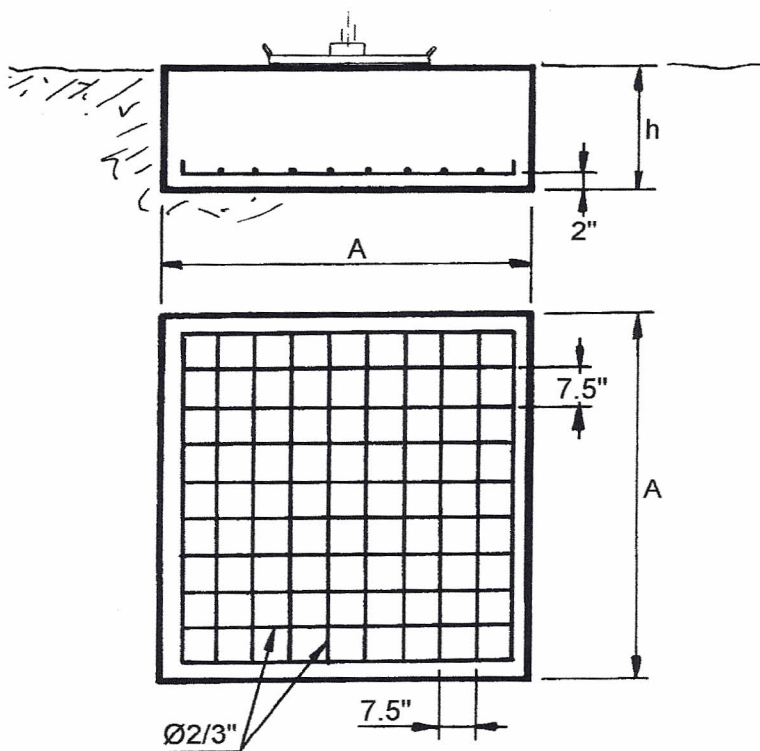
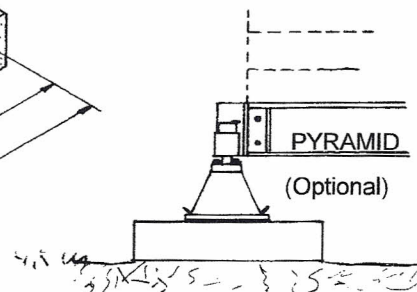
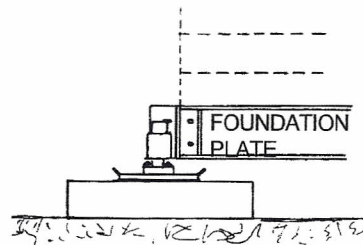
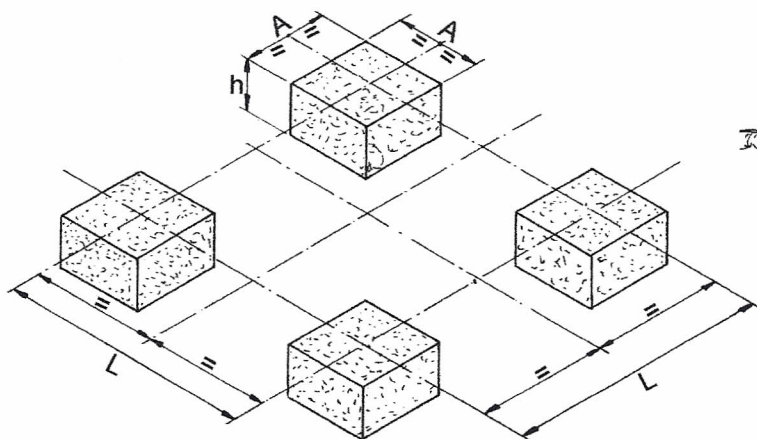
A x A x h	-Foundation dimensions
H	-Hook height
SR	-Single reeving
SR/DR	-Double reeving
σ_s	-Pressure under foundation psi.
σ_A	-Pressure under plates psi.
σ_P	-Pressure under support cones psi.



See document "FOUNDATION'S EXECUTION": (030 0014)

				σ_s					
	H	σ_A	σ_P	D1	D2	D3	D4	D5	D6
SR	156.1	761	191	124	87	64	50	40	33
	138.1	581	146	96	67	50	39	30	26
	120.0	478	120	79	56	42	32	26	22
	102.0	430	107	72	50	37	29	23	19
	83.9	396	100	66	46	35	27	22	18
	65.9	365	91	60	43	32	25	20	16
SR/DR	156.1	753	188	123	86	63	49	39	32
	138.1	574	144	94	66	49	37	30	25
	120.0	480	120	79	56	42	32	26	22
	102.0	431	109	72	50	37	29	23	19
	83.9	397	100	66	46	35	27	22	18
	65.9	366	91	50	43	32	25	20	16

L=10.49 ft.
L=12.46 ft. L x L depending on the base
L=14.76 ft.



A x A x h (ft.)

3.3 x 3.3 x 1.6
3.9 x 3.9 x 1.6
4.6 x 4.6 x 1.6
5.3 x 5.3 x 1.6
5.9 x 5.9 x 1.6
6.6 x 6.6 x 1.6

CONCRETE RESISTANCE 5,000 psi.
MIN. CONCRETE DENSITY 150 lbs. cu. ft.