



ESPADA

TOPLESS TOWER CRANE

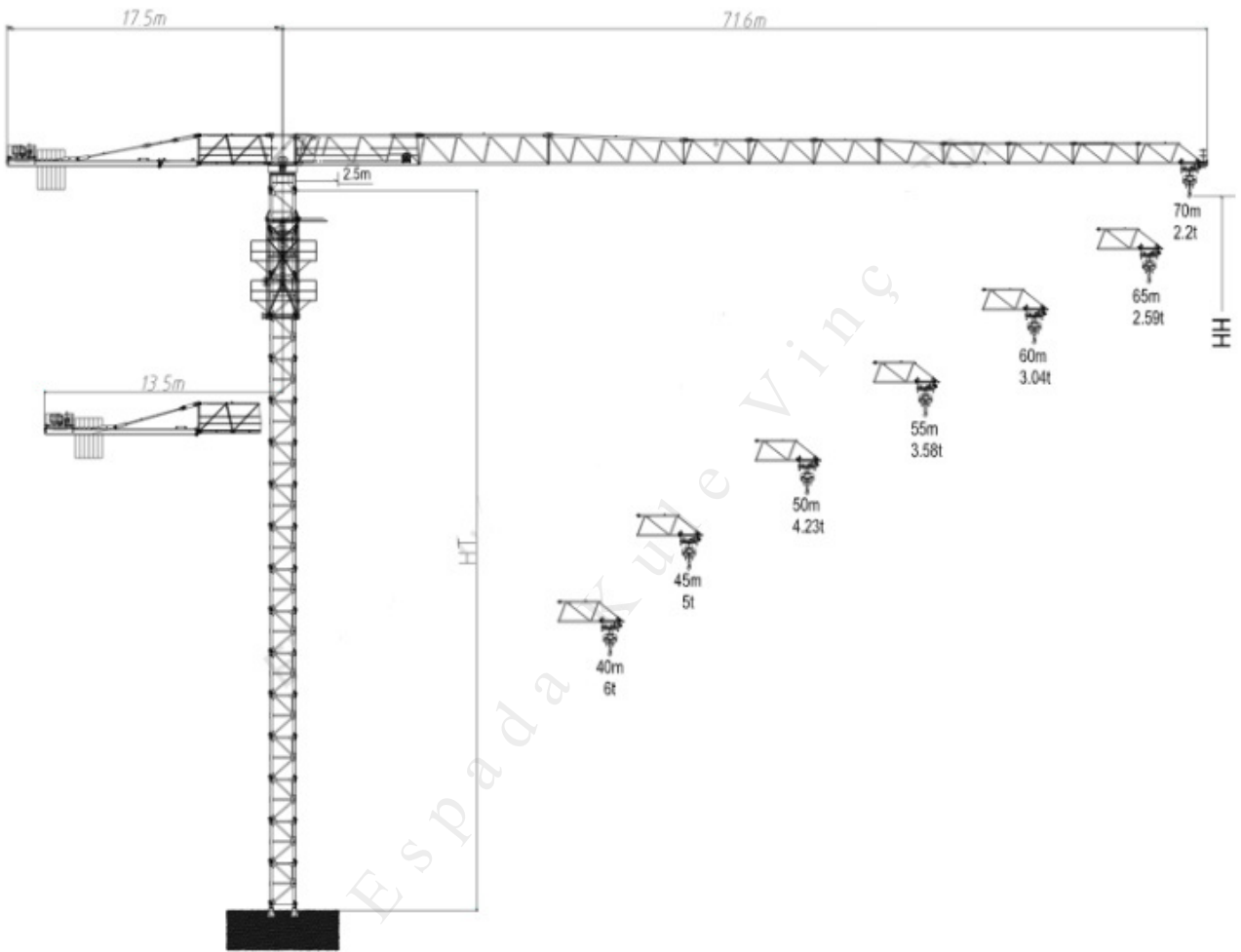
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EST7020-10



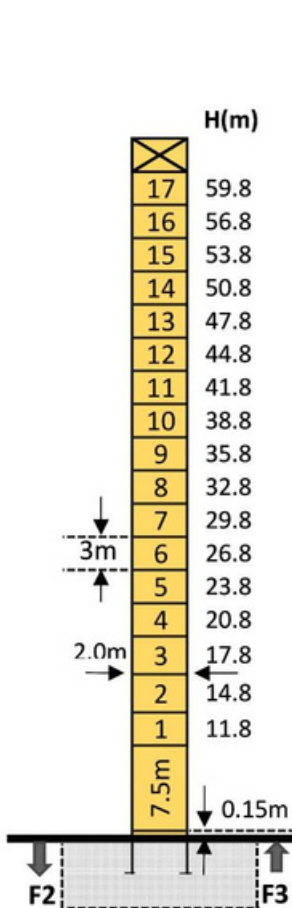
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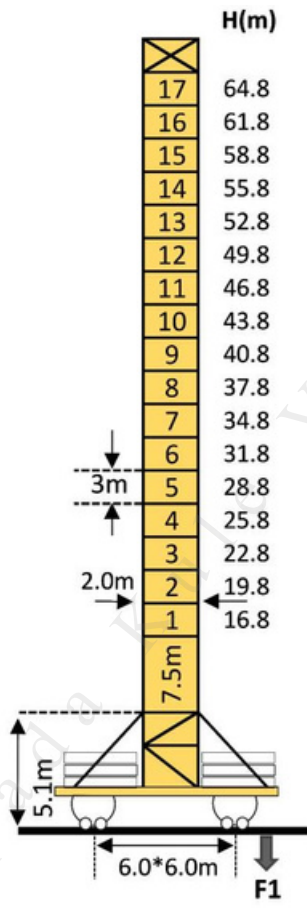




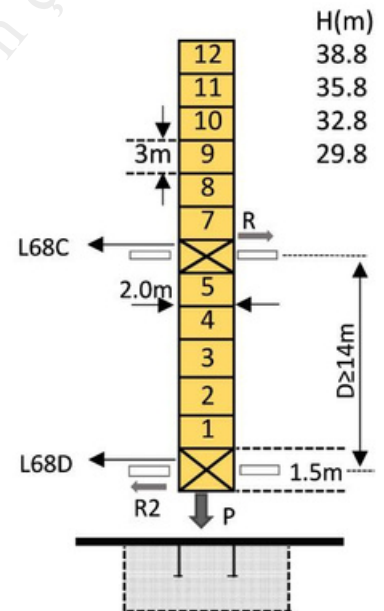
Mast-Reaction



	●	■
F2	148.0t	205.0t
F3	98.0t	161.0t
●	88.8t	

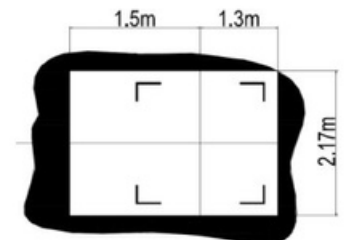


	●	■
F1	105.0t	138.0t
●	102.0t	



Amin	Rmax	Pmax
14.0m	28.0t	83.2.0t

● Total weight of free standing height(exclude counter weight ballast)
● In service ■ Out of service F Reactions





Loading Diagrams

	Fall	R(Cmax) m	C(max) t	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0
70m		19.06	10.00	10.00	7.74	6.25	5.19	4.39	3.77	3.28	2.87	2.53	2.25	2.00
	35.58	5.00	5.00	5.00	5.00	5.00	5.00	4.59	3.97	3.48	3.07	2.73	2.45	2.20
65m		21.87	10.00	10.00	8.12	6.57	5.46	4.63	3.98	3.46	3.06	2.69	2.39	
	40.67	5.00	5.00	5.00	5.00	5.00	5.00	4.83	4.18	3.66	3.24	2.89	2.59	
60m		23.27	10.00	10.00	8.49	6.88	5.73	4.86	4.19	3.65	3.21	2.84		
	43.62	5.00	5.00	5.00	5.00	5.00	5.00	4.39	3.85	3.41	3.04			
55m		24.68	10.00	10.00	8.87	7.19	5.99	5.10	4.40	3.84	3.38			
	46.53	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.04	3.58			
50m		26.18	10.00	10.00	10.00	7.50	6.26	5.33	4.61	4.03				
	49.57	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.23				
45m		27.56	10.00	10.00	10.00	7.82	6.53	5.57	4.81					
	45.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00					
40m		28.85	10.00	10.00	10.00	8.13	6.80	5.80						
	40.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00						
35m		30.61	10.00	10.00	10.00	10.00	8.60							
	35.00	5.00	5.00	5.00	5.00	5.00	5.00							
30m		30.00	10.00	10.00	10.00	10.00								
	30.00	5.00	5.00	5.00	5.00	5.00								

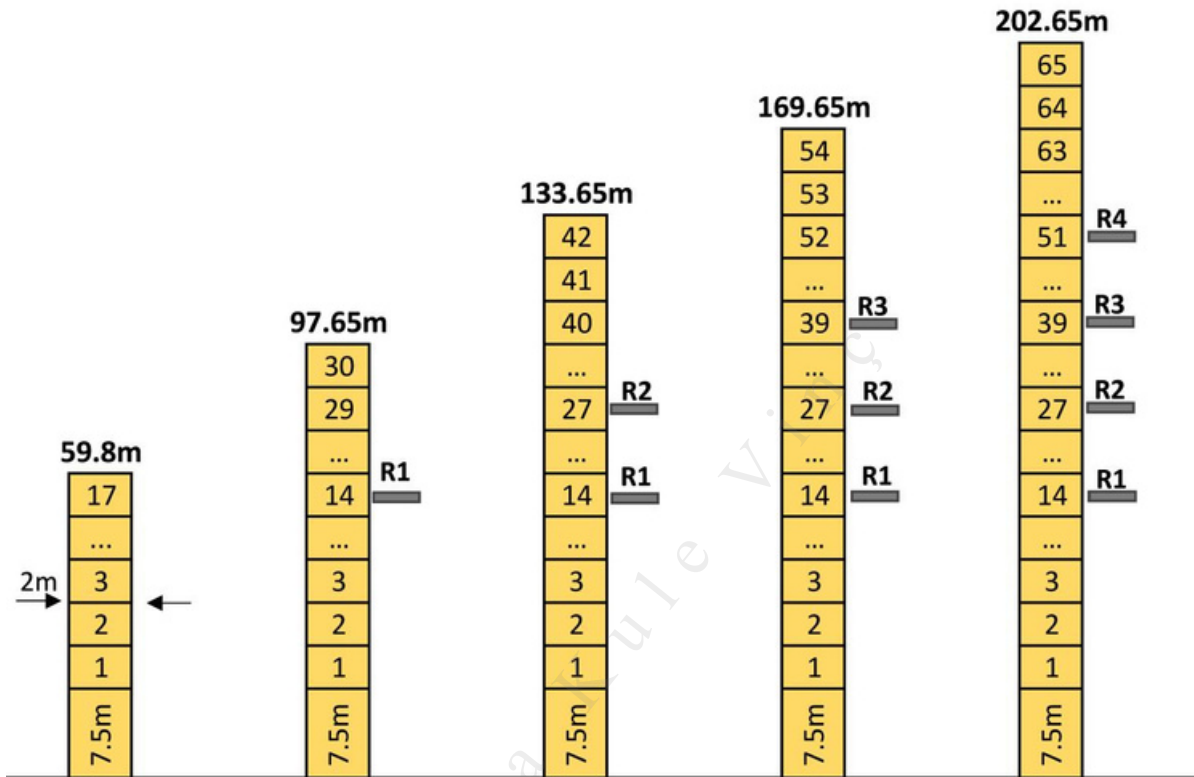
Counter Weight(t)

Counter Weight(t)										
Jib Length(m)		30	35	40	45	50	55	60	65	70
Type of ballast	A(2.37t)	5A	6A	5A+B	4A+2B	7A	6A+B	5A+B	8A	8A
	B(3.20t)									
Weight of ballast(t)		11.85	14.22	15.05	15.88	16.59	17.42	18.25	18.96	18.96



Anchorage

Mast :L68B2



Mechanisms

Items	Mechanisms	Speed/Hoist weight				Rope Capacity	Motor(KW)
		M/min	t	M/min	t		
Hoisting	60LVF25					600m	45
		0-45	5.00	0-22.5	10.00		
		0-90	2.50	0-45	5.00		
Trolley	5D3V4	0-58m/min					3.7
Slewing	RCV145	0-0.88rpm					25.6
Traveling	RT443	12-24m/min					4*3.14/1.7
Power supply : 380V 50Hz/ 440V 60Hz				Necessary Power: 85KVA			
Main electrical components: Schneider (Frequency converter, Contactor,Relay)							