



ESPADA

LUFFING TOWER CRANE

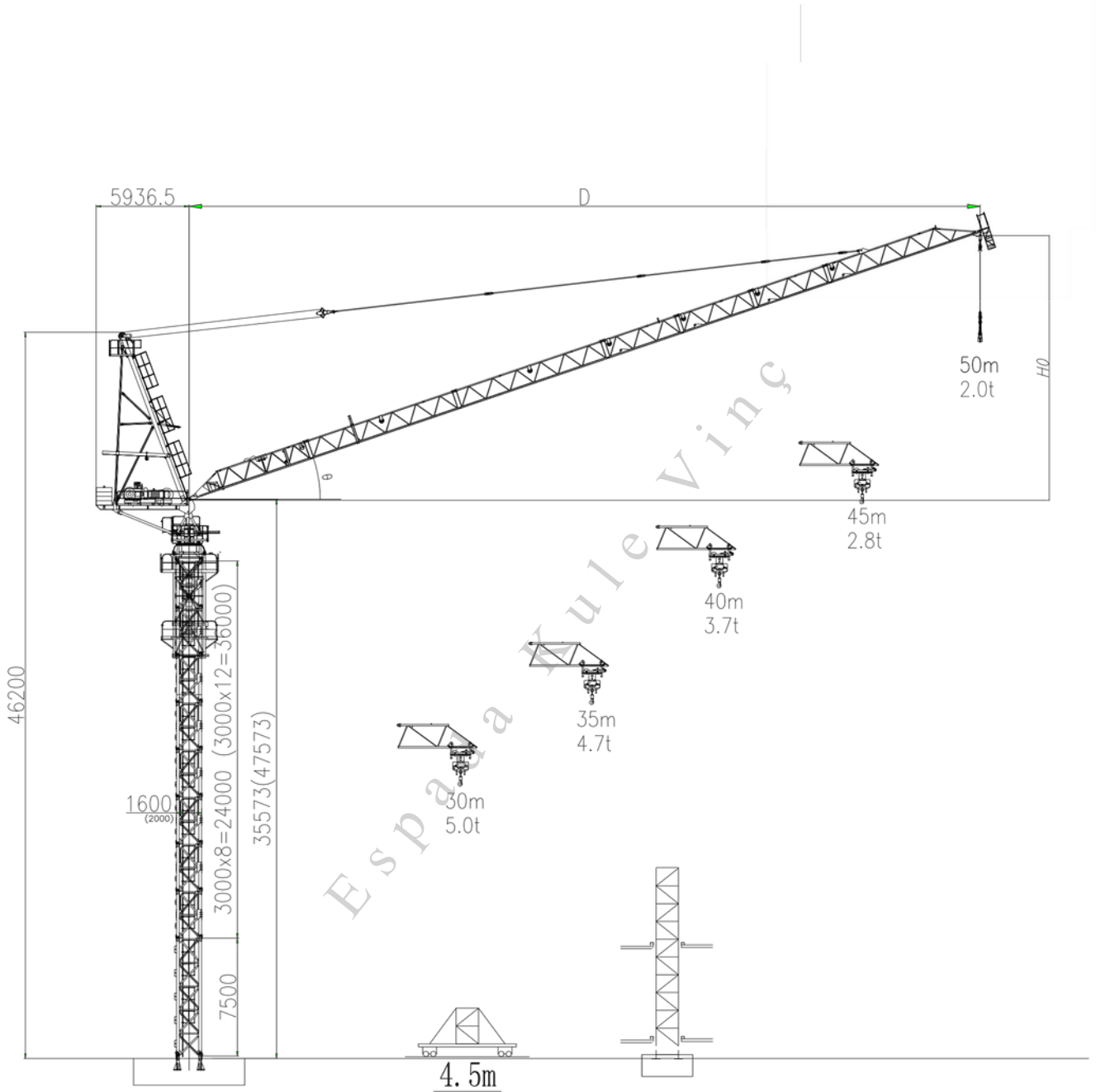
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ESL5020-10



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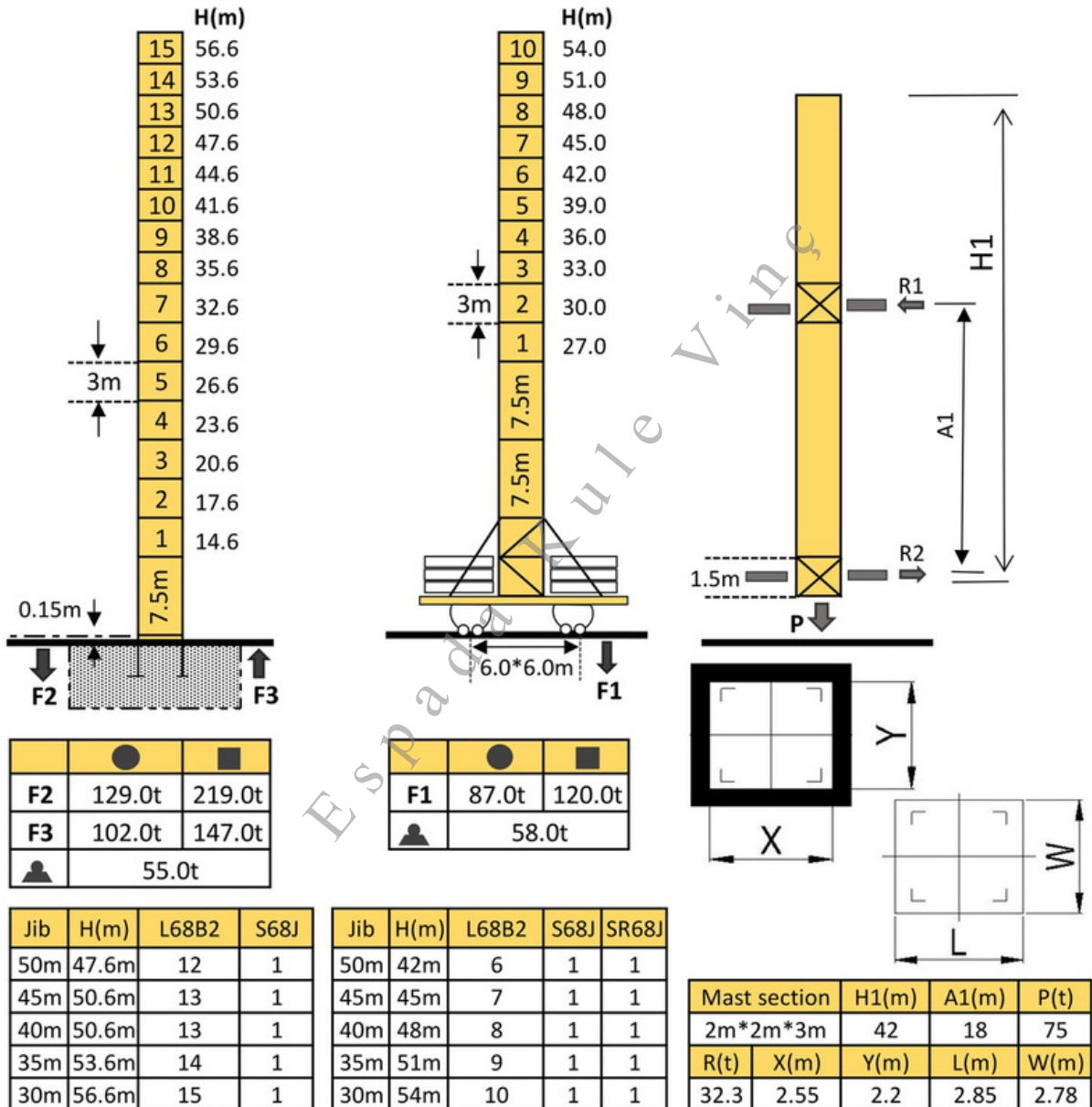
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Mast-Reaction

MastSection(2m):L68B2



● Total weight of free standing height (exclude counter weight ballast)

● In service

■ Out of service

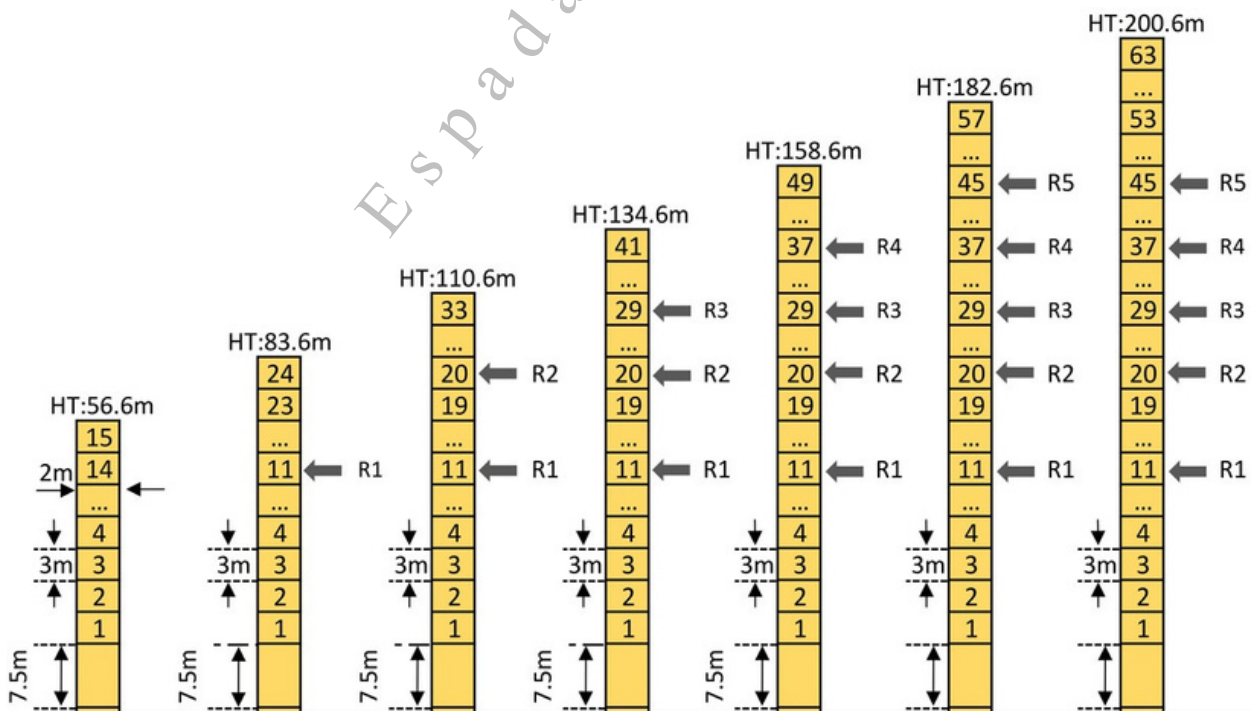
F Reactions



Loading Diagrams

	Fall	Max.load		10	15	20	25	30	35	40	45	50
		R(Cmax) m	C(max) t									
50m	II	31.87	5.00	5.00	5.00	5.00	5.00	5.00	4.27	3.33	2.59	2.00
	III	24.13	7.50	7.50	7.50	7.50	7.16	5.42	4.17	3.23	2.49	1.90
	IV	19.43	10.00	10.00	10.00	9.66	7.06	5.32	4.07	3.13	2.39	1.80
45m	II	32.61	5.00	5.00	5.00	5.00	5.00	5.00	4.48	3.54	2.80	
	III	24.61	7.50	7.50	7.50	7.50	7.36	5.62	4.38	3.44	2.70	
	IV	19.77	10.00	10.00	10.00	9.86	7.26	5.52	4.28	3.34	2.60	
40m	II	33.33	5.00	5.00	5.00	5.00	5.00	5.00	4.63	3.70		
	III	24.97	7.50	7.50	7.50	7.50	7.50	5.77	4.53	3.60		
	IV	19.89	10.00	10.00	10.00	9.97	7.40	5.67	4.43	3.50		
35m	II	33.57	5.00	5.00	5.00	5.00	5.00	5.00	4.47			
	III	24.98	7.50	7.50	7.50	7.50	7.50	5.82	4.60			
	IV	19.91	10.00	10.00	10.00	9.95	7.141	5.72	4.50			
30m	II	29.96	5.00	5.00	5.00	5.00	5.00	5.00				
	III	24.82	7.50	7.50	7.50	7.50	7.45	5.80				
	IV	19.69	10.00	10.00	10.00	9.82	7.35	5.70				

Anchorage





Whole Machine Parameters

Jib Length(m)	Out Of Service			Angle Max			R max
	Anlge	D(m)	H0(m)	Anlge	D(m)	H0(m)	H0(m)
30	50°	20.0	19.6	85°	2.8	26.8	3.9
35	55°	20.8	25.5	85°	3.3	32.0	5.2
40	60°	20.8	31.7	85°	3.7	37.1	6.5
45	60°	23.4	36.1	85°	4.2	42.3	7.9
50	60°	25.9	40.8	85°	4.6	47.4	9.2

Counter Weight(t)

Counter Weight(t)					
Jib Length(m)	50	45	40	35	30
Counter Weight(t)	24	24	24	20	20

Mechanisms

Items	Mechanisms	Speed/Hoist weight						Rope Capacity	Motor (KW)
		M/min	t	M/min	t	M/min	t		
Hoisting	60LVF25	II		III		IV		600m	45
		9.00	5.00	6.75	7.50	4.50	10.00		
		22.50	5.00	16.80	7.50	11.50	10.00		
		45.00	5.00	33.70	7.50	22.50	10.00		
		67.50	3.70	50.60	5.60	37.50	7.50		
		90.00	2.50	67.50	3.75	45.00	5.00		
Luffing	50LP30H	≤2.2						290m	37
Slewing	RCV95	0~0.8rpm							2*5.5
Travelling	RT324	12-24m/min							2*5.2/2.6
Main electrical components: Schneider (Frequency converter, Contactor,Relay)									