



ESPADA

LUFFING TOWER CRANE

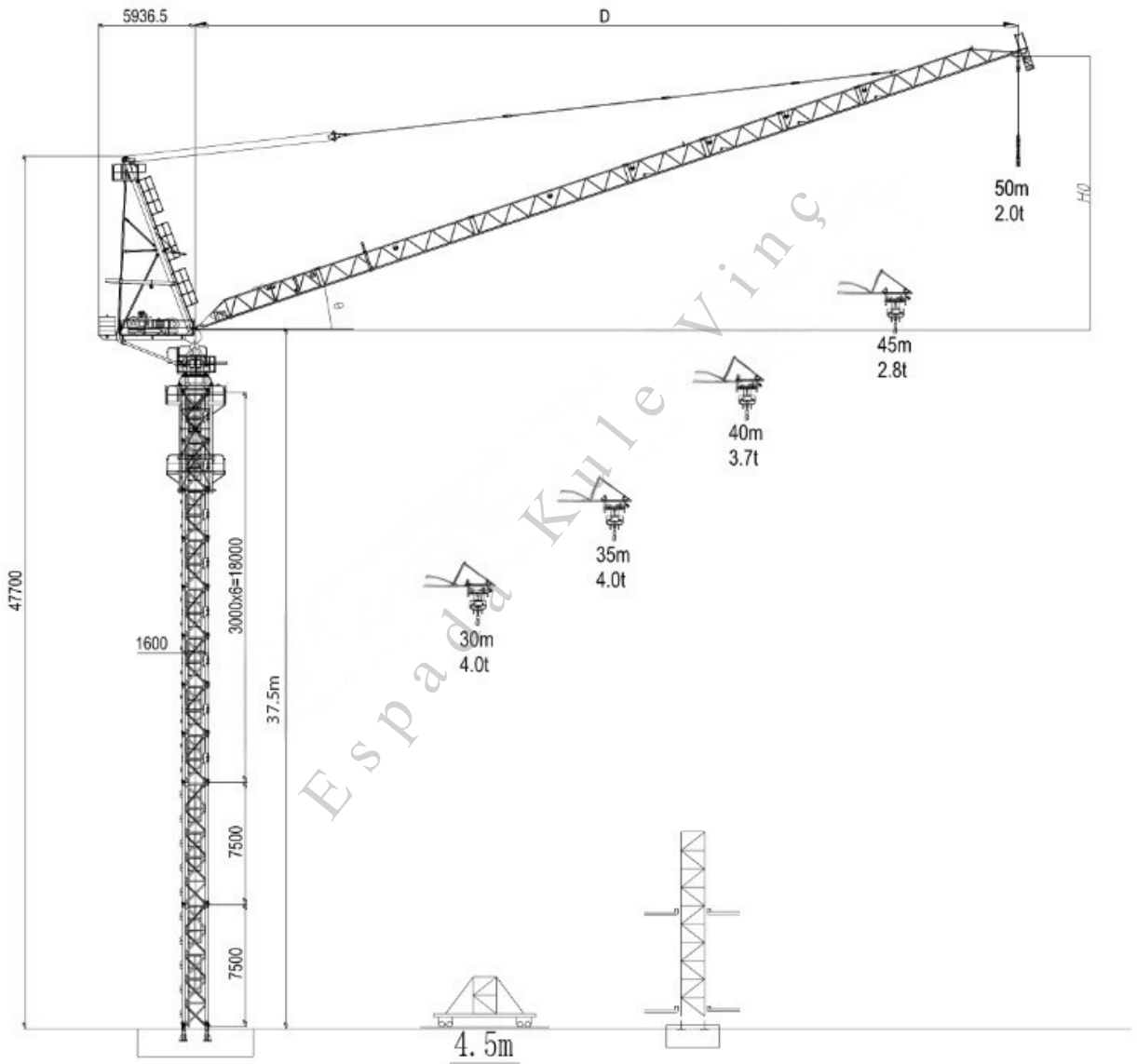
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ESL5020-8(1.6m)



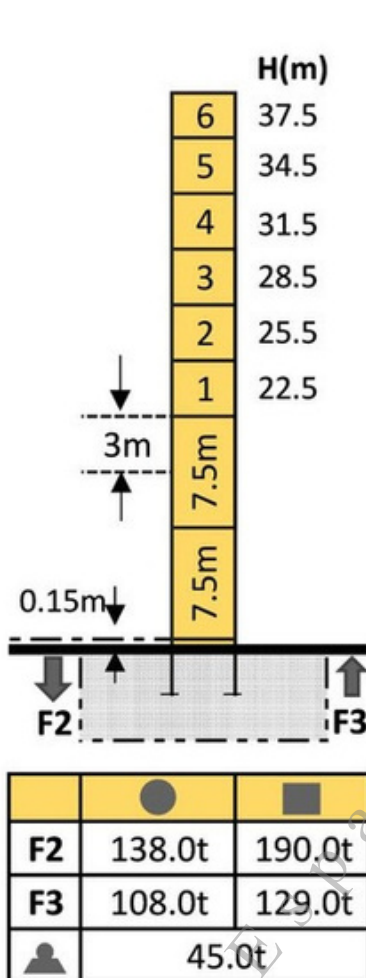
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ESL5020-8(1.6m)

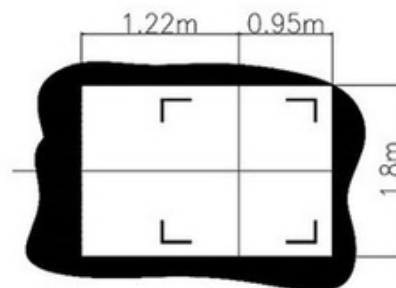
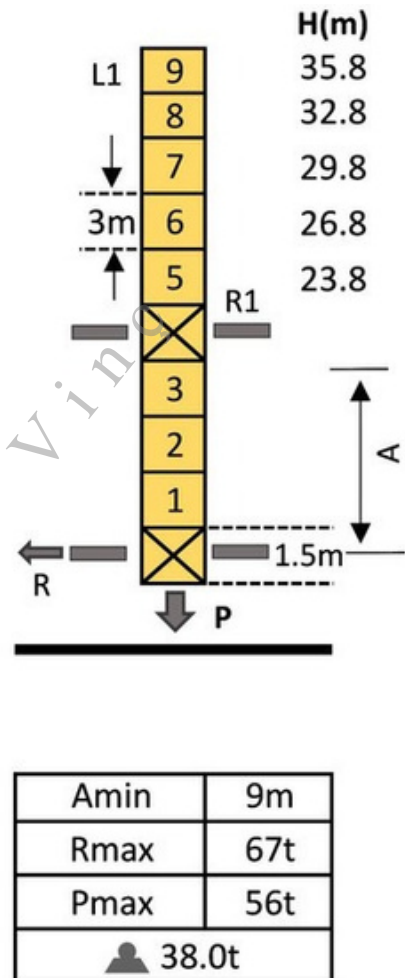




Mast-Reaction



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

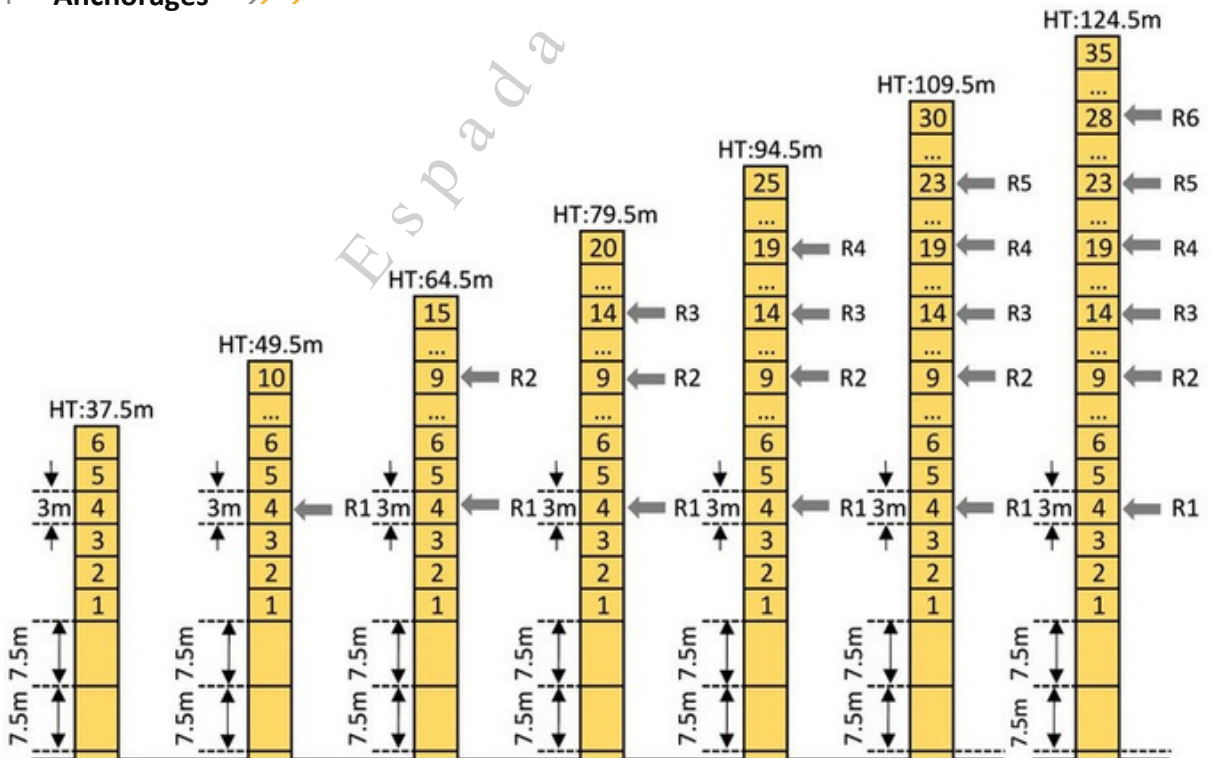




Loading Diagrams

	Fall	Max.load		10.0	15.0	20	25	30	35	40	45	50
		R(Cmax)	C(max)									
50m	II	31.87	4.00	4.00	4.00	4.00	4.00	4.00	4.00	3.33	2.59	2.00
	III	24.13	6.00	6.00	6.00	6.00	6.00	5.42	4.17	3.23	2.49	1.90
45m	II	35.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	3.54	2.80	
	III	30.00	6.00	6.00	6.00	6.00	6.00	6.00	4.38	3.44	2.70	
	IV	20.10	8.00	8.00	8.00	8.00	7.26	5.52	4.28	3.34	2.60	
40m	II	35.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	3.70		
	III	25.00	6.00	6.00	6.00	6.00	6.00	5.77	4.53	3.60		
	IV	20.02	8.00	8.00	8.00	8.00	7.40	5.67	4.43	3.50		
35m	II	35.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00			
	III	25.02	6.00	6.00	6.00	6.00	6.00	5.82	4.60			
	IV	20.00	8.00	8.00	8.00	8.00	7.41	5.72	4.50			
30m	II	30.00	4.00	4.00	4.00	4.00	4.00	4.00				
	III	25.00	6.00	6.00	6.00	6.00	6.00	5.80				
	IV	20.01	8.00	8.00	8.00	8.00	7.35	5.70				

Anchorage





ESPADA

ESL5020-8(1.6m)

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	24.0	24.0	20	20

Mechanisms

Items	Mechanisms	Speed/Hoist weight						Rope Capacity	Motor (KW)
		M/min	t	M/min	t	M/min	t		
Hoisting	40QP20H	II		III		IV		600m	30
		9.00	4.00	6.75	6.00	4.50	8.00		
		22.50	4.00	16.80	6.00	11.50	8.00		
		45.00	4.00	33.70	6.00	522.50	8.00		
		67.50	3.00	50.60	4.50	37.50	6.00		
		90.00	2.00	67.50	3.00	45.00	4.00		
Luffing	50LP30H	≤2.2						290m	30
Slewing	RCV95(JH08)	0~0.8rpm							2*5.5
Travelling	RT324	12-24m/min							2*5.2/2.6
Main electrical components: Schneider (Frequency converter, Contactor,Relay)									