

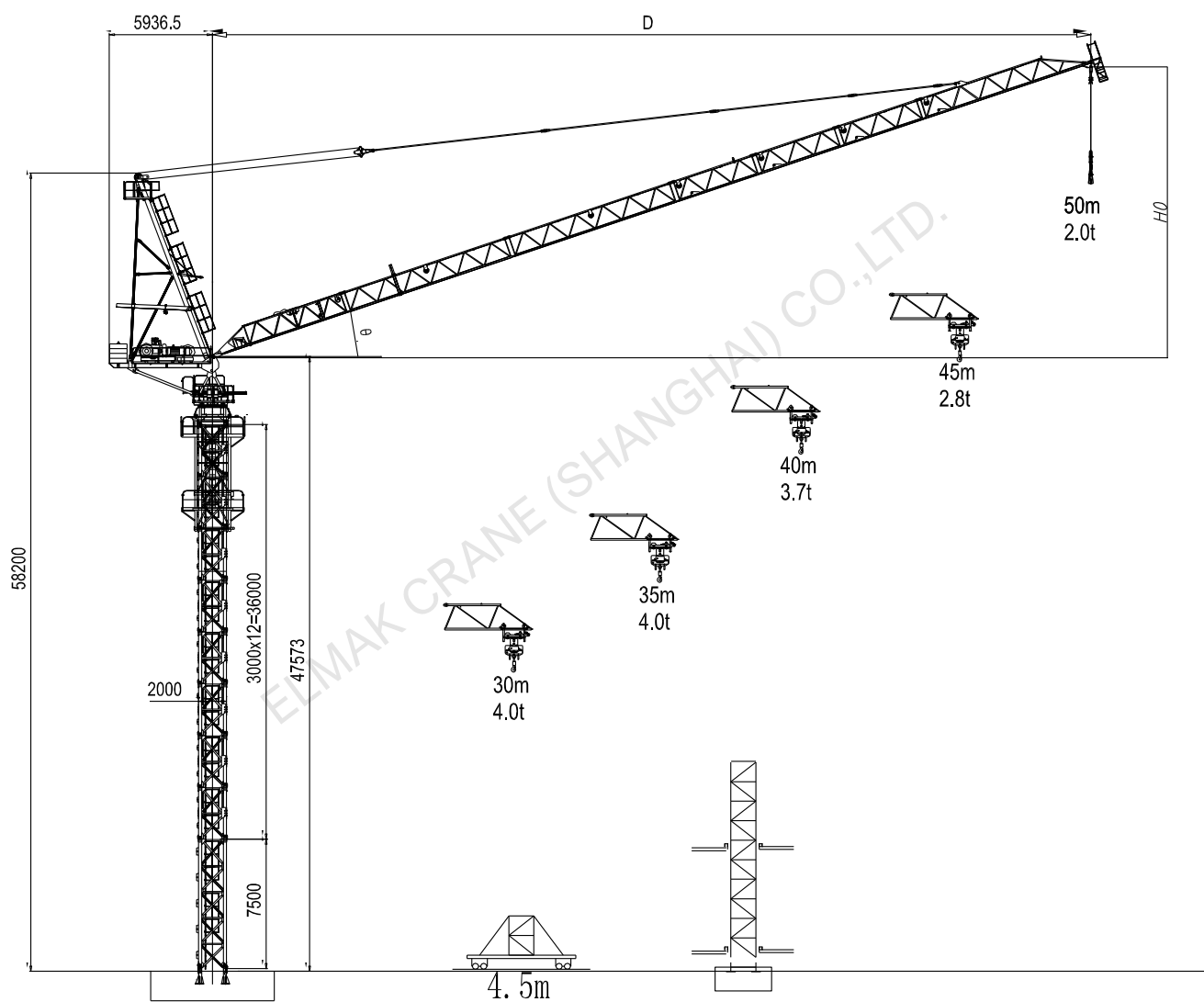
ELMAK[®]

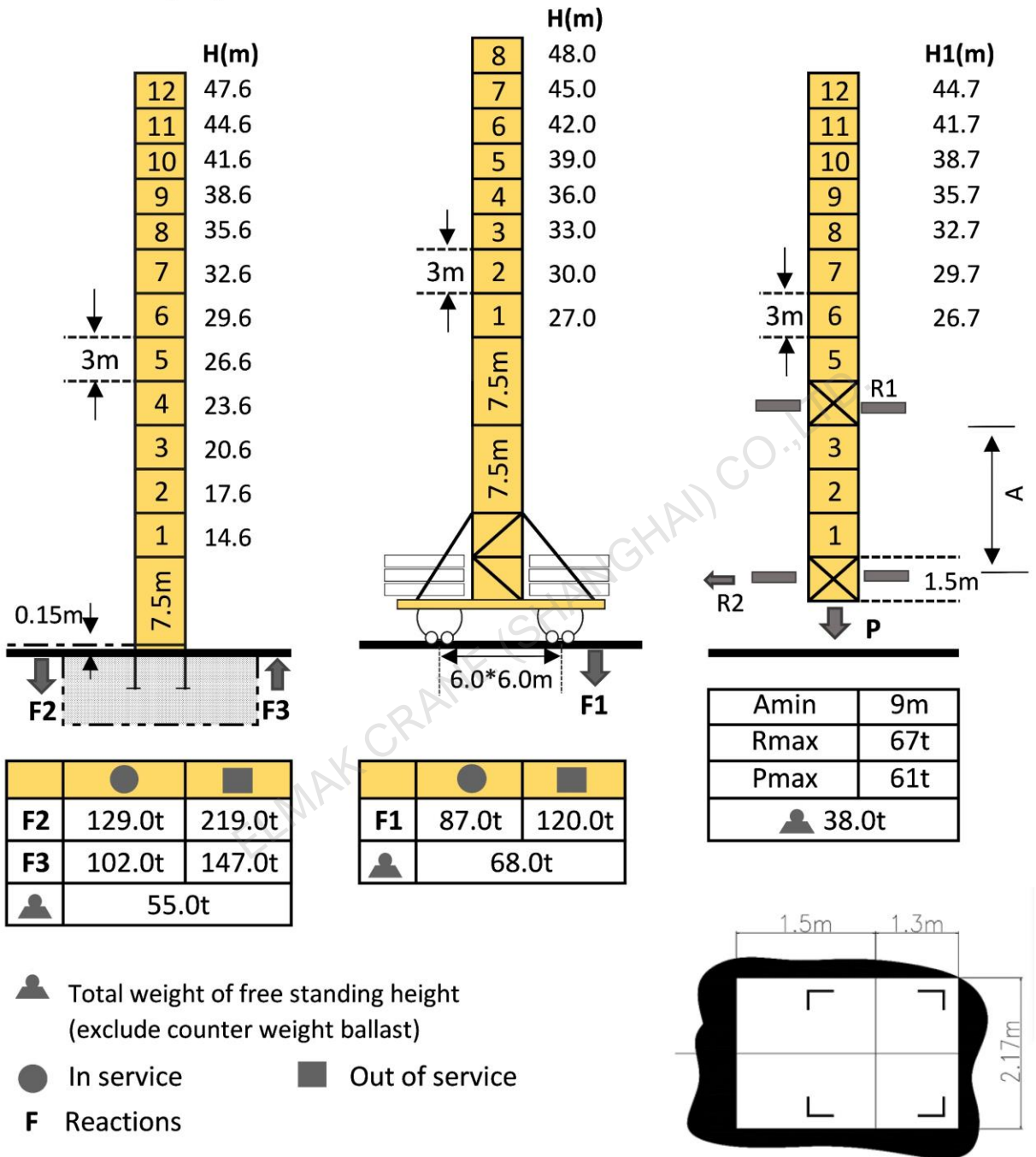
ELMAK CRANE (SHANGHAI) CO.,LTD.

LUFFING TOWER CRANE

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EML5020-8(2.0m)

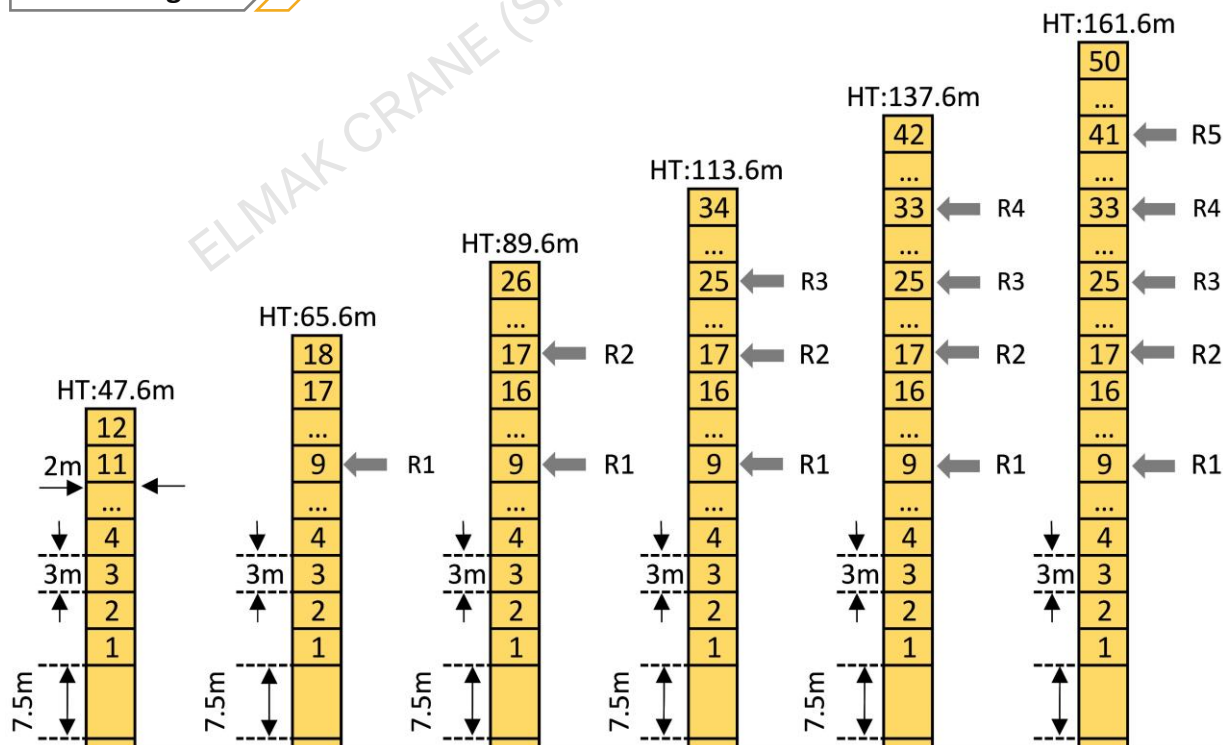


Mast-Reaction
MastSection(2m):L68B2


Loading Diagrams

	Fail	Max.load			15	17	20	22	25	27	30	32	35	37	40	42	45	47	50
		R(Cmax)	m	C(max) t															
50m	II	4.0-36.2	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	3.80	3.30	3.00	2.50	2.30	2.00
	III	4.0-28.4	6.00	6.00	6.00	6.00	6.00	7.00	6.00	5.50	4.90	4.20	3.80	3.30	3.00	2.50	2.30	2.00	2.00
45m	II	3.6-37.6	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	3.50	3.20	2.80		
	III	3.6-29.2	6.00	6.00	6.00	6.00	6.00	6.00	6.00	5.70	5.20	4.50	4.10	3.50	3.20	2.80			
	IV	3.6-23.9	8.00	8.00	8.00	8.00	8.00	7.50	6.70	5.70	5.20	4.50	4.10	3.50	3.20	2.80			
40m	II	3.1-38.6	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	3.70				
	III	3.1-29.9	6.00	6.00	6.00	6.00	6.00	6.00	6.00	5.90	5.40	4.70	4.30	3.70					
	IV	3.1-24.3	8.00	8.00	8.00	8.00	8.00	7.70	6.90	5.90	5.40	4.70	4.30	3.70					
35m	II	2.7-35.0	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00						
	III	2.7-29.9	6.00	6.00	6.00	6.00	6.00	6.00	6.00	5.90	5.40	4.70							
	IV	2.7-24.3	8.00	8.00	8.00	8.00	8.00	7.70	6.90	5.90	5.40	4.70							
30m	II	2.3-30.0	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00								
	III	2.3-29.9	6.00	6.00	6.00	6.00	6.00	6.00	6.00	5.90									
	IV	2.3-24.3	8.00	8.00	8.00	8.00	8.00	7.70	6.90	5.90									
30m	II	1.8-25.0	4.00	4.00	4.00	4.00	4.00	4.00	4.00										
	III	1.8-25.0	6.00	6.00	6.00	6.00	6.00	6.00	6.00										
	IV	1.8-24.3	8.00	8.00	8.00	8.00	8.00	8.00	7.70										

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	24.0	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	0~0.8rpm							2*5.5
Travelling	RT324	12-24m/min							2*5.2/2.6
Main electrical components: Schneider (Frequency converter, Contactor,Relay)									