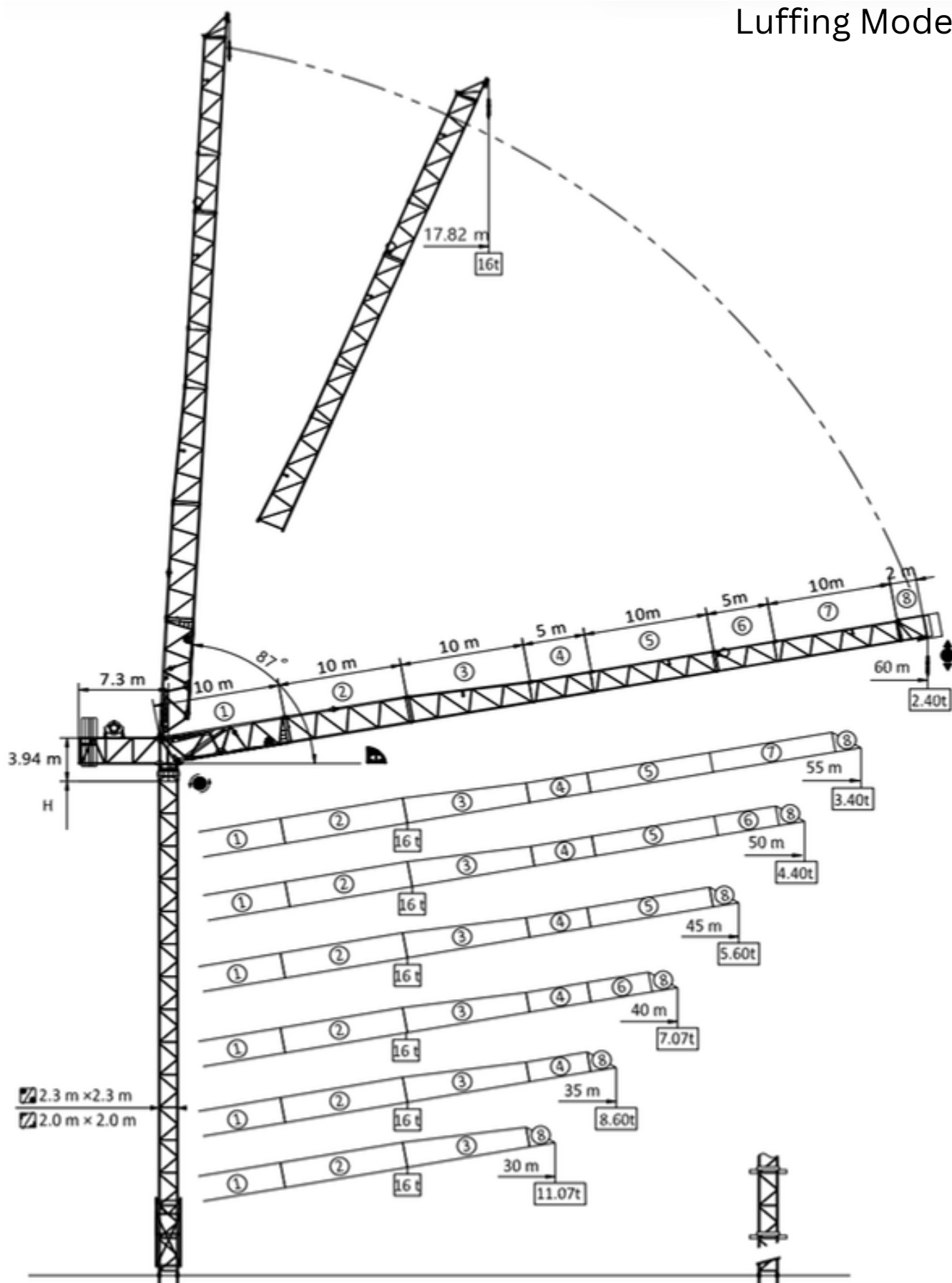


RL250-16 16T Tower Crane

Luffing Mode



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Technical drawing of a crane system. The main horizontal beam is divided into 8 segments with lengths: 7.3 m, 10 m, 10 m, 10 m, 5 m, 10 m, 5 m, and 2 m. The segments are numbered 1 to 8. A 16t weight is shown on the beam. The crane is mounted on a 2.3 m x 2.3 m base. The vertical height of the crane is 3.94 m. The crane has 7 vertical jibs with horizontal lengths of 60 m, 55 m, 50 m, 45 m, 40 m, 35 m, and 30 m. The jibs are numbered 1 to 8. The vertical heights of the jibs are 2.00t, 3.00t, 4.00t, 5.20t, 6.50t, 8.10t, and 10.60t respectively. The crane is shown in a side view with a 60 m vertical height and a 2.00t weight at the end of the beam.

[illegible]

RL250-16

16T Tower Crane

Load diagram - Trolleying Mode



 m	m / t	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0	32.5	35.0	37.5	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5	60.0	
60		3.5~20.8/8.00	8.00	8.00	8.00	8.00	7.30	6.44	5.73	5.15	4.66	4.24	3.88	3.56	3.28	3.04	2.82	2.62	2.44	2.28	2.13	2.00
		3.5~11.4/16.0	14.39	11.63	9.71	8.28	7.19	6.32	5.62	5.03	4.54	4.12	3.76	3.45	3.17	2.92	2.70	2.51	2.33	2.17	2.02	1.89
55		3.5~25.1/8.00	8.00	8.00	8.00	8.00	8.00	8.00	7.19	6.48	5.89	5.38	4.94	4.56	4.22	3.92	3.65	3.41	3.20	3.00		
		3.5~13.7/16.0	16.00	14.39	12.04	10.32	8.99	7.93	7.08	6.37	5.77	5.26	4.82	4.44	4.10	3.80	3.54	3.30	3.08	2.89		
50		3.5~28.3/8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	7.47	6.80	6.22	5.73	5.29	4.91	4.57	4.27	4.00				
		3.5~15.4/16.0	16.00	16.00	13.78	11.82	10.32	9.13	8.16	7.36	6.68	6.11	5.61	5.18	4.80	4.46	4.16	3.89				
45		3.5~31.4/8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	7.67	7.03	6.48	6.00	5.58	5.20							
		3.5~17.0/16.0	16.00	16.00	15.45	13.27	11.60	10.28	9.20	8.31	7.56	6.92	6.37	5.89	5.46	5.09						
40		3.5~33.5/8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	7.61	7.02	6.50								
		3.5~18.1/16.0	16.00	16.00	16.00	14.30	12.51	11.09	9.94	8.98	8.18	7.49	6.90	6.39								
35		3.5~35.0/8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00										
		3.5~19.3/16.0	16.00	16.00	16.00	15.38	13.46	11.95	10.71	9.69	8.83	8.10										
30		3.5~30.0/8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00												
		3.5~20.8/16.0	16.00	16.00	16.00	16.00	14.69	13.04	11.71	10.60												

Mechanism

415 V (± 10 %) 50 Hz									kW	
	H55FC40-880D-b	t	2	4	8	4	8	16	55	
		m/min	84	68	34	42	34	17		
	S75CA-130.146LB14/12A S75CA-130.146LB14/12A(M)	r/min	0 – 0.8						2×7.5	
	T75FC80-b(D)	m/min	0 ~ 88						7.5	
	YG350/290	min	2.0 (10° - 87°)						37	
			114.5 kW							