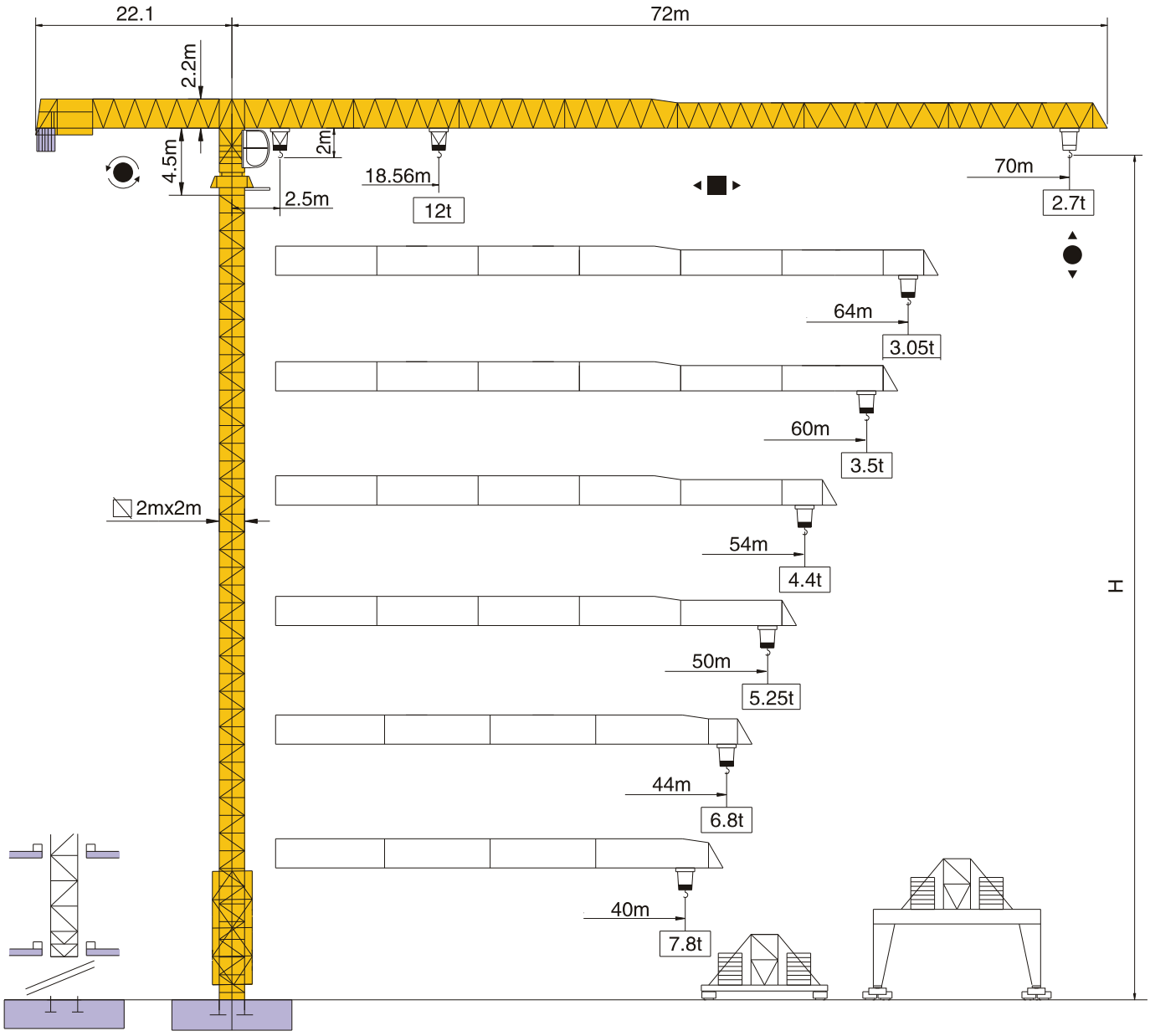
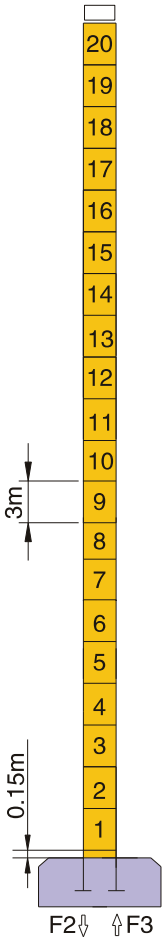
CONTINENTAL MECHANICAL EQUIPMENTS LLC

FLAT-TOP TOWER CRANE R70-27

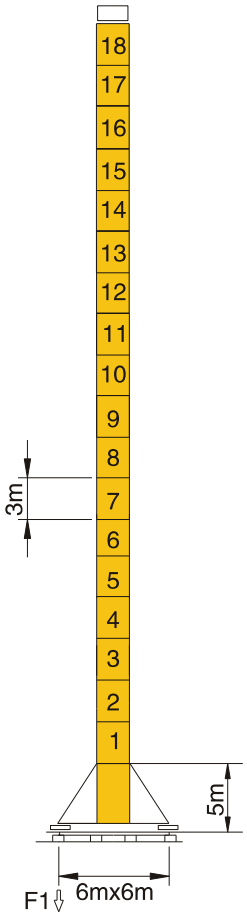


Mast ⧄ 2mx2m

40m → 70m



H(m)	
20	62.65
19	59.65
18	56.65
17	53.65
16	50.65
15	47.65
14	44.65
13	41.65
12	38.65
11	35.65
10	32.65
9	29.65
8	26.65
7	23.65
6	20.65
5	17.65
4	14.65



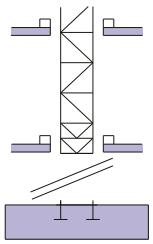
H(m)	
18	61.5
17	58.5
16	55.5
15	52.5
14	49.5
13	46.5
12	43.5
11	40.5
10	37.5
9	34.5
8	31.5
7	28.5
6	25.5
5	22.5
4	19.5

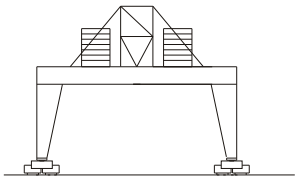
F2	● 190t	■ 154t
F3	● 134t	■ 108t
	92t	

F1	● 145t	■ 112t
	98t	

Reactions	• In service ▪ Out of service	Self–load	Without load and counter–weight with longest jib and standard height.

Mounting possibilities





Load diagrams

70m	2.5 → 18.56	30	34	34.2	35	40	44	50	54	60	64	70	m
	12	6.97	6.035	6	6	5.16	4.63	4.01	3.67	3.24	3.01	2.7	t

64m	2.5 → 18.77	30	34	34.6	35.4	40	44	50	54	60	64	m
	12	7.06	6.12	6	6	5.23	4.52	3.88	3.72	3.29	3.05	t

60m	2.5 → 19.73	30	34	36.4	37.3	40	44	50	54	60	m
	12	7.48	6.49	6	6	5.55	4.99	4.32	3.95	3.5	t

54m	2.5 → 21.57	30	34	39.9	40.95	44	50	54	54	m
	12	8.29	7.20	6	6	5.35	4.61	4.32	4.4	t

50m	2.5 → 23.29	30	34	40	43.1	44.3	50	m
	12	9.05	7.86	6.54	6	6	5.25	t

44m	2.5 → 26.46	30	34	40	44	m
	12	10.45	9.09	7.58	6.8	t

40m	2.5 → 27.15	30	34	40	m
	12	10.75	9.36	7.8	t

Standard trolley 2/4 fall when (using substract 0.2t from the loads)

Counter–jibballast

		(kg)
70m	22.1m	21.0
64m	22.1m	19.17
60m	22.1m	18.635
54m	22.1m	15.67
50m	22.1m	15.67
44m	22.1m	19.17
40m	22.1m	18.635

Mechanisms specification										m	kW	
Hoisting		45LVF	m/min	0–32	0–62	0–88	0–16	0–30	0–44	500	45	
			t	6	3	1.5	12	6	3			
		75LVF	m/min	0–56	0–104	0–152	0–28	0–52	0–76	600 >600*	75	Optional winch
			t	6	3	1.5	12	6	3			
Trolleying		4TVF	m/min	0–55							4	
Slewing		145SVT	r/min	0–0.7							145Nm × 2	
Travelling		7.5TRVF	m/min	0–8.0–16.0							7.5 × 4	
Power Supply				380v 50Hz / 440v 60Hz								
KVA Necessary Electric Power				45LVF:90KVA 75LVF:120KVA								

subject to modification

Continental Mechanical Equipments LLC
P.O.Box : 52294 – Abu Dhabi, UAE
Mob: +971507828892
Tele: +971 2 4456703
Fax: +97124455623
Web: www.cmemachineries.com
Email: mohdasmar27@yahoo.com