

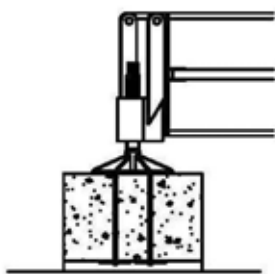
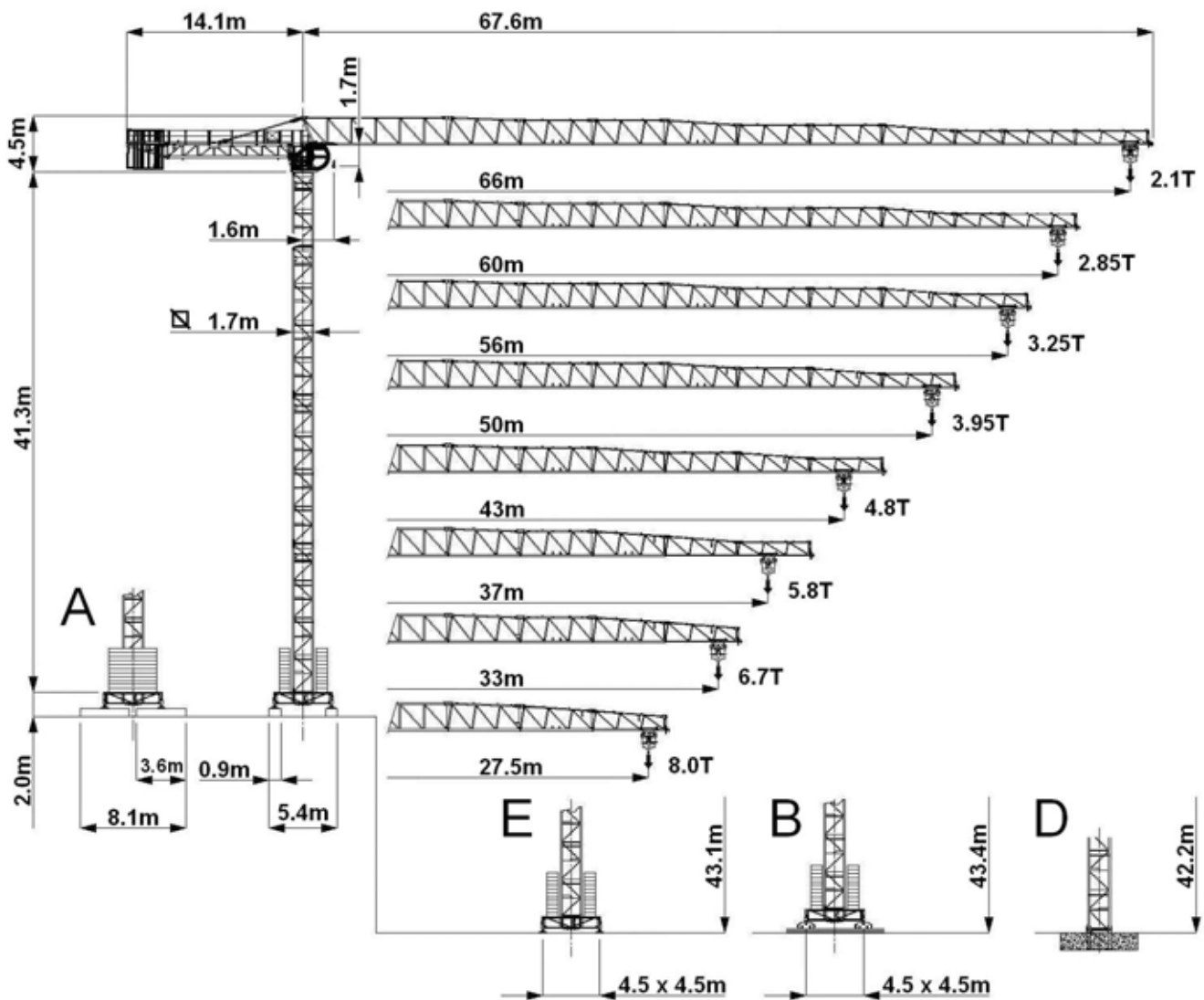
RAIVAN

MR210+3

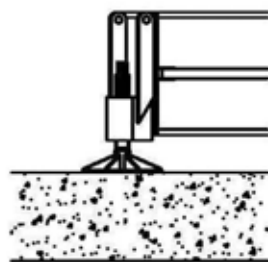
FLAT TOP CITY TOWER CRANE



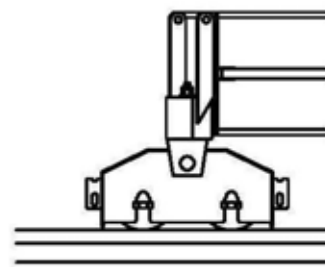
A4 FEM1,001



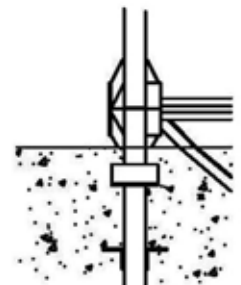
A



E



B









D

RAIVAN MR210+3

FLAT TOP CITY TOWER CRANE




RADIUS AND S.W.L.




Max s.w.l.		10000 kg  / 5000 kg 								12000 kg  / 6000 kg 									
Radius	m	27.5	33	37	43	50	56	60	66	27.5	33	37	43	50	56	60	66		
Max s.w.l. from 2.8m	to	22.8	22.9	22.7	22.4	22.2	21.3	20.6	18.1	19.7	19.4	19.2	18.9	18.7	17.9	17.3	15.2		
Radius (m)		15	10000	10000	10000	10000	10000	10000	10000	10000	12000	12000	12000	12000	12000	12000	12000	12000	
		18	10000	10000	10000	10000	10000	10000	10000	10000	12000	12000	12000	12000	12000	11935	11488	9897	
		20	10000	10000	10000	10000	10000	10000	10000	8932	11582	11568	11427	11280	11129	10586	10186	8761	
		22	10000	10000	10000	10000	10000	9624	9271	7996	10395	10382	10255	10122	9985	9493	9131	7841	
		24	9413	9402	9363	9254	9145	8709	8387	7221	9413	9402	9285	9163	9038	8589	8259	7080	
		26	8588	8577	8541	8442	8341	7939	7643	6570	8588	8577	8470	8358	8243	7830	7525	6441	
		27.5	8222	8212	7841	7749	7655	7283	7009	6016	8222	8212	8109	8001	7891	7493	7201	6158	
		30		7268	7237	7151	7064	6718	6462	5537		7268	7175	7079	6979	6623	6361	5425	
		32		6739	6711	6630	6549	6225	5986	5120		6739	6653	6563	6470	6136	5891	5015	
		33		6550	6472	6394	6315	6001	5770	4931		6550	6416	6329	6239	5916	5678	4830	
		36			5838	5767	5694	5407	5195	4428			5787	5707	5624	5329	5111	4336	
		37			5650	5581	5510	5231	5025	4279			5650	5522	5442	5155	4943	4189	
	40				5080	5015	4757	4567	3878				5026	4952	4687	4491	3795		
			42			4786	4724	4479	4298	3643				4735	4665	4412	4226	3564	
			43			4650	4590	4350	4174	3534				4650	4531	4285	4104	3457	
			46				4221	3998	3833	3236					4167	3937	3767	3164	
			48					4002	3788	3630	3058					3950	3729	3567	2989
			50					3800	3595	3443	2895					3800	3539	3383	2829
			52						3417	3271	2745						3363	3214	2681
			54						3253	3112	2605						3201	3057	2544
			56						3100	2965	2476						3100	2911	2417
			58							2828	2356							2776	2299
			60							2700	2244							2700	2189
			62								2140								2087
	64									2042								1990	
	66								1950								1950		
Two reeving only:		+ 150 kg								+ 150 kg									

All intermediate loads are increased of 10% if the crane is equipped with "ULTRALIFT" control

JIB AND COUNTERWEIGHT

Jib	(m)	27.5	33	37	43	50	56	60	66
Counterweight	(t)	9.010	12.210	13.145	15.68	18.215	20.75	22.35	25.55
Composition	Type	Quantity							
	A 183	2	2	2	2	2	2	2	2
	B 183	-	-	1	2	3	4	4	4
	C 183	-	2	1	1	1	1	2	4

		Speed	Power
Slewing		0.26 / 0.48 / 0.7 m/min	2 x 4.8 Kw
Trolley		27 / 54 m/min	5.5 Kw
		18.8 / 35.2 / 54 m/min Progressive	5.5Kw
Rail		20 m/min	2 x 4 Kw

Winch		Step	Load / speed	
				
Type	33 HP 24.3 Kw - 8VF INVERTER	1	4000 kg - 5.6 m/min	8000 kg - 2.8 m/min
		2	4000 kg - 28 m/min	8000 kg - 14 m/min
		3	2000 kg - 56 m/min	4000 kg - 28 m/min
			1300 kg - 67 m/min	2600 kg - 33.6 m/min
	50 HP 37 Kw - 8VF INVERTER	1	4000 kg - 9 m/min	8000 kg - 5 m/min
		2	4000 kg - 28 m/min	8000 kg - 14 m/min
		3	4000 kg - 45 m/min	8000 kg - 23 m/min
		4	2509 kg - 75 m/min	4689 kg - 38 m/min
		5	1907 kg - 98 m/min	3516 kg - 49 m/min
	33 HP 24.3 Kw - 10VF	1	5000 kg - 5.7 m/min	10000 kg - 2.8 m/min
		2	5000 kg - 23 m/min	10000 kg - 11.5 m/min
		3	2500 kg - 46 m/min	5000 kg - 23 m/min
	33 HP 24.3 Kw - 10VF INVERTER	1	5000 kg - 5.7 m/min	10000 kg - 2.8 m/min
		2	5000 kg - 23 m/min	10000 kg - 11.5 m/min
		3	2500 kg - 46 m/min	5000 kg - 23 m/min
		4	1800 kg - 54 m/min	3600 kg - 27 m/min
	50 HP 37 Kw - 10VF INVERTER	1	5000 kg - 3 m/min	10000 kg - 1.5 m/min
		2	5000 kg - 16 m/min	10000 kg - 8 m/min
		3	5000 kg - 32 m/min	10000 kg - 16 m/min
		4	3000 kg - 50 m/min	6600 kg - 25 m/min
		5	2100 kg - 68 m/min	4600 kg - 34 m/min
	60 HP 45 Kw - 12VF INVERTER	1	6000 kg - 4 m/min	12000 kg - 2 m/min
		2	6000 kg - 18 m/min	12000 kg - 9 m/min
		3	6000 kg - 34 m/min	12000 kg - 17 m/min
4		3200 kg - 63 m/min	6780 kg - 32 m/min	
5		2070 kg - 93 m/min	4440 kg - 46 m/min	

In compliance with the 2000/14/CE instruction on noise level

Total Installed Power	24.3 Kw (33 HP)	37 Kw (50 HP)	45 Kw (60HP)
		48 Kw	60 Kw