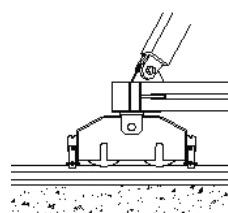
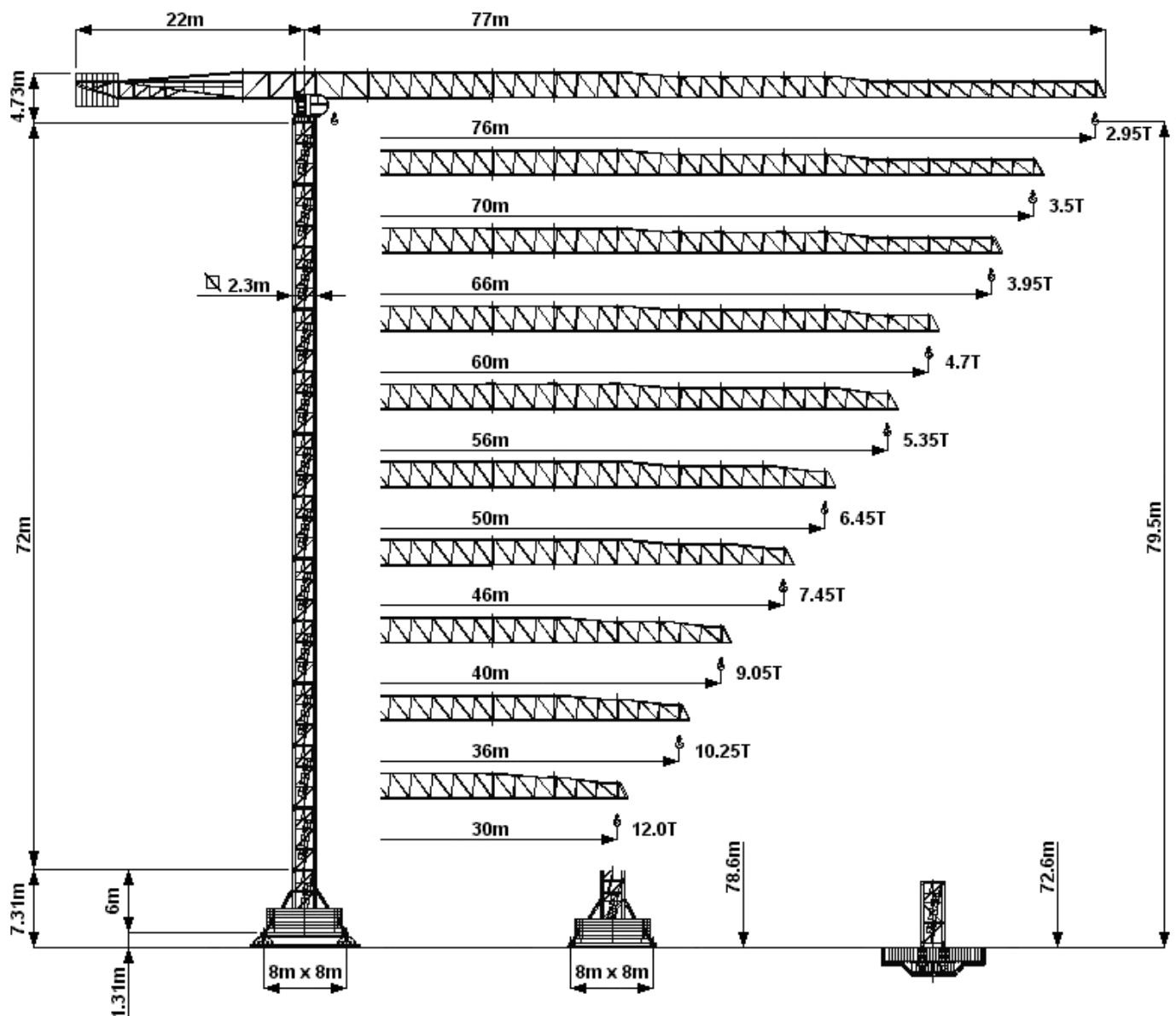


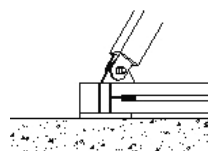
RAIVAN

# RT 324

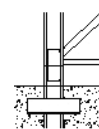
TOWER CRANE



B







C






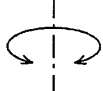
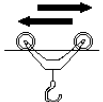

D

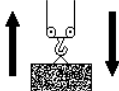




**RADIUS AND S.W.L. (1 of 2)**

Max s.w.l		12000 kg  / 6000 kg 											
Radius	m	30	36	40	46	50	56	60	66	70	76		
Max s.w.l range from 2.8m	to	22.6	31.3	31.2	30.0	29.2	28.0	27.1	26.0	25.2	24.1		
Radius (m)		16	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	
		18	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000
		20	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000
		22	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000
		24	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000
		26	12000	12000	12000	12000	12000	12000	12000	12000	12000	11570	11020
		28	12000	12000	12000	12000	12000	12000	12000	11556	11036	10632	10123
		30	12000	12000	12000	12000	12000	11647	11119	10684	10200	9824	9350
		32		11713	11665	11159	10825	10332	9925	9472	9120	8677	
		34		10937	10893	10417	10103	9640	9258	8832	8502	8085	
		36		10250	10208	9760	9464	9027	8667	8266	7954	7561	
		38				9598	9174	8894	8481	8140	7760	7465	7094
		40			9050	8648	8382	7990	7667	7307	7027	6675	
		42				8173	7920	7547	7240	6897	6631	6296	
		44				7742	7501	7146	6853	6526	6272	5953	
		46				7350	7120	6780	6500	6188	5945	5640	
		48					6771	6445	6177	5878	5646	5354	
		50					6450	6138	5881	5594	5371	5091	
		52						5855	5607	5332	5118	4849	
		54						5593	5355	5090	4884	4625	
		56						5350	5121	4865	4667	4417	
		58							4903	4657	4465	4224	
		60							4700	4462	4277	4044	
		62								4280	4101	3876	
		64								4110	3937	3719	
		66								3950	3782	3571	
		68									3637	3432	
		70									3500	3301	
72										3177			
74										3061			
76										2950			

**RADIUS AND S.W.L. (2 of 2)**

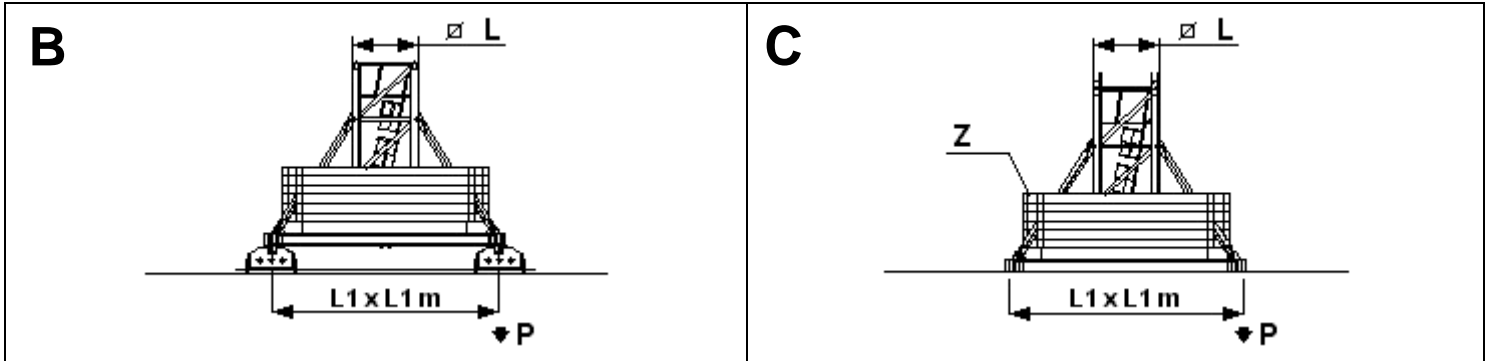
Max s.w.l		18000 kg  / 9000 kg 											
Radius	m	30	36	40	46	50	56	60	66	70	76		
Max s.w.l range from 2.8m	to	21.5	21.5	21.4	20.5	19.9	19.1	18.5	17.7	17.1	16.4		
Radius (m)		16	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	
		18	18000	18000	18000	18000	18000	18000	18000	18000	17686	17029	16198
		20	18000	18000	18000	18000	17946	17121	16444	15685	15097	14354	
		22	17558	17547	17475	16617	16111	15365	14752	14065	13534	12861	
		24	15916	15907	15841	15057	14595	13914	13355	12727	12242	11628	
		26	14537	14528	14468	13747	13322	12695	12181	11604	11157	10592	
		28	13363	13354	13298	12631	12237	11657	11180	10646	10233	9710	
		30	12350	12342	12290	11668	11302	10762	10318	9821	9436	8949	
		32		11461	11412	10830	10488	9982	9567	9102	8742	8286	
		34		10686	10640	10094	9772	9297	8907	8470	8132	7704	
		36		10000	9957	9442	9138	8691	8323	7911	7592	7188	
		38			9347	8860	8573	8149	7802	7412	7110	6728	
	40			8800	8338	8066	7664	7334	6964	6678	6316		
	42				7867	7608	7225	6912	6560	6288	5943		
	44				7439	7192	6828	6529	6193	5934	5605		
	46				7050	6814	6466	6180	5859	5611	5297		
	48					6468	6134	5861	5554	5316	5016		
	50					6150	5830	5568	5273	5045	4757		
	52						5550	5297	5015	4796	4519		
	54						5290	5048	4776	4565	4298		
	56						5050	4816	4554	4351	4094		
	58							4601	4348	4152	3904		
	60							4400	4156	3966	3727		
	62								3976	3793	3561		
	64								3808	3631	3406		
	66								3650	3478	3261		
	68									3335	3124		
	70									3200	2995		
72										2874			
74										2759			
76										2650			

		Speed	Power
Slewing		0.775 m/min	4 x 4.8 Kw
Trolley		10.4 / 41.5 / 84 m/min	9.2 Kw
		0 - 105 m/min (Progressive)	9.2 Kw
Rail		20 m/min	4 x 5.5 Kw

Winch		Step	Land / speed		
					
Type	61.2 HP 45 Kw - 12 VF 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	
	61.2 HP 45 Kw - 18 VF INVERTER	1	9000 kg - 3.4 m/min	18000 kg - 1.7 m/min	
		2	9000 kg - 13.5 m/min	12000 kg - 6.8 m/min	
		3	9000 kg - 23.7 m/min	12000 kg - 11.8 m/min	
		4	4609 kg - 40.5 m/min	9335 kg - 20.3 m/min	
		5	3090 kg - 57.4 m/min	6372 kg - 28.7 m/min	
	75 HP 55 Kw - 12 VF INVERTER	1	6000 kg - 3.5 m/min	12000 kg - 1.8 m/min	
		2	6000 kg - 24.3 m/min	12000 kg - 12.2 m/min	
		3	6000 kg - 45.2 m/min	12000 kg - 22.6 m/min	
		4	3852 kg - 69.5 m/min	7818 kg - 34.7 m/min	
		5	2882 kg - 90.3 m/min	5918 kg - 45.1 m/min	
	75 HP 55 Kw - 18 VF INVERTER	1	9000 kg - 3.4 m/min	18000 kg - 1.7 m/min	
		2	9000 kg - 16 m/min	18000 kg - 8.3 m/min	
		3	9000 kg - 28 m/min	18000 kg - 14 m/min	
		4	5800 kg - 44 m/min	12000 kg - 22 m/min	
		5	4100 kg - 60 m/min	8800 kg - 30 m/min	
	75 HP 55 Kw - 12 VF INVERTER				
		1	6000 kg - 6.2 m/min	12000 kg - 3 m/min	
		2	6000 kg - 24.9 m/min	12000 kg - 12 m/min	
		3	6000 kg - 43.5 m/min	12000 kg - 20.9 m/min	
		4	3378 kg - 72.5 m/min	7668 kg - 34.9 m/min	
	102 HP 75 Kw - 18 VF INVERTER	1	9000 kg - 4.8 m/min	18000 kg - 2.4 m/min	
		2	9000 kg - 22 m/min	18000 kg - 11 m/min	
		3	9000 kg - 39 m/min	18000 kg - 19 m/min	
		4	5600 kg - 63 m/min	11600 kg - 31 m/min	
		5	4000 kg - 85 m/min	8400 kg - 42 m/min	

In compliance with the EEC 84/534 Instruction on noise level

TOTAL INSTALLED POWER	45 Kw (61.2 HP)	55 Kw (75 HP)	75 Kw (102 HP)
		96 Kw	106 Kw

**H. U. H., MAX. BASE BALLAST AND CORNER PRESSURE.**

**ON UNDERCARRIAGE**
**L = 2.3 m - L1 = 8 m**

H (m)	max. Z (t)	max. P (kN)	H (m)	max. Z (t)	max. P (kN)
19.5	40	546	18.6	40	545
25.5	40	570	24.6	40	569
31.5	40	596	30.6	40	595
37.5	40	625	36.6	40	624
43.5	40	656	42.6	40	655
49.5	40	690	48.6	40	639
55.5	43	733	54.6	43	730
61.5	58	810	60.6	58	809
67.5	75	893	66.6	75	892
73.5	94	985	72.6	94	964
79.5	118	1095	78.6	118	1094

**L = 2.1 m - L1 = 6 m**

H (m)	max. Z (t)	max. P (kN)	H (m)	max. Z (t)	max. P (kN)
28.5	77	752	27.2	77	752
31.5	77	767	30.1	77	767
34.4	77	783	33.1	77	782
37.4	77	800	36.0	77	800
40.3	77	819	39.0	77	819
43.3	78	847	41.9	78	846
46.2	81	877	44.9	81	876
49.2	84	908	47.8	84	907
52.1	88	941	50.8	88	940

**ON FOUNDATION ANCHORS**

	H (m)	12.6	18.6	24.6	30.6	36.6	42.6	48.6	54.6	60.6	66.6	72.6	78.6	84.6	90.6	96.6
	T (kN)	764	795	837	838	949	1022	1107	1205	1411	1820	2283	2806	3401	4078	4859
	P (kN)	1060	1113	1175	1247	1329	1422	1527	1646	1874	2303	2787	3331	3946	4644	5445
	q max (daN/cm <sup>2</sup> )	1.37	1.41	1.46	1.52	1.58	1.66	1.74	1.10	1.20	1.33	1.48	1.66	1.89	2.2	2.64
	L (m)	7			7			9.5			9.5					

**VANSON CRANES LIMITED**

Honey Pot Lane, Colsterworth, Grantham, Lincolnshire. NG33 5LY.

Telephone: +44 (0) 1476 861011 Fax: +44 (0) 1476 861014

E-mail: sales@vansoncranes.com Website: www.vansoncranes.com