Load capacity table

1.1

	radius [m]			25	30	35	40	45	50	55	60	65	70	
	70	2,6 – 21,3		10,0	8,0	6,7	5,7	4,9	4,3	3,8	3,4	3,0	2,7	load capacity [t]
	65	2,6 – 22,3		10,5	8,5	7,1	6,0	5,2	4,5	4,0	3,6	3,2		
Ε	60	2,6-22,9	12,0	10,8	8,7	7,3	6,2	5,4	4,7	4,1	3,7			
] qi	55	2,6 - 23,9		11,4	9,2	7,7	6,5	5,7	5,0	4,4				
₽	50	2,6 - 24,7		11,8	9,6	8,0	6,8	5,9	5,2					
length	45	2,6 - 25,7		12,0	10,0	8,4	7,1	6,2						
len	40	2,6 – 25,8		12,0	10,1	8,4	7,2							
	35	2,6 - 25,9		12,0	10,2	8,5								
	30	2,6 – 26,7		12,0	10,5									
	70	2,6 - 38,8		6,0	6,0	6,0	5,8	5,0	4,4	3,9	3,5	3,1	2,8	
	65	2,6 - 40,6		6,0	6,0	6,0	6,0	5,3	4,6	4,1	3,7	3,3		
Ε	60	2,6 - 41,7		6,0	6,0	6,0	6,0	5,5	4,8	4,3	3,8			=
] qi[55	2,6 - 43,6		6,0	6,0	6,0	6,0	5,8	5,1	4,5				city
of	50	2,6 – 45,2		6,0	6,0	6,0	6,0	6,0	5,3					load capacity [t]
length		2,6 - 45,0		6,0	6,0	6,0	6,0	6,0						
len	40	2,6 - 40,0		6,0	6,0	6,0	6,0							loa
	35	2,6 – 35,0		6,0	6,0	6,0								
	30	2,6 – 30,0		6,0	6,0									

The load capacities refer to a hook path of 42, 0 m. With greater hook paths the safe working load will be minimized by the additional weight of the hoisting cable (with 2 fall operation = 2,4 kg per meter hook path, with 4 fall operation = 4,8 kg per meter hook path).

WOLFFKRAN 7031 SL

SPECIFICATIONS

Hoist Speed and Capacity

			2-Part Line)		
Gear	Capacity		Line Speed	Capacity		Line Speed
1	13,230 lbs	@	220 fpm	6,000 kg	@	68 m/min
2	8,820 lbs	@	310 fpm	4,000 kg	@	94 m/min
3	4,410 lbs	@	550 fpm	2,000 kg	@	168 m/min
			4-Part Line	•		
1	26,460 lbs	@	110 fpm	12,000 kg	@	34 m/min
2	17,640 lbs	@	155 fpm	8,000 kg	@	47 m/min
3	8,820 lbs	@	275 fpm	4,000 kg	@	84 m/min
	1 2 3	1 13,230 lbs 2 8,820 lbs 3 4,410 lbs 1 26,460 lbs 2 17,640 lbs	1 13,230 lbs @ 2 8,820 lbs @ 3 4,410 lbs @ 1 26,460 lbs @ 2 17,640 lbs @	Gear Capacity Line Speed 1 13,230 lbs @ 220 fpm 2 8,820 lbs @ 310 fpm 3 4,410 lbs @ 550 fpm 4-Part Line 1 26,460 lbs @ 110 fpm 2 17,640 lbs @ 155 fpm	1 13,230 lbs @ 220 fpm 6,000 kg 2 8,820 lbs @ 310 fpm 4,000 kg 3 4,410 lbs @ 550 fpm 2,000 kg 4-Part Line 1 26,460 lbs @ 110 fpm 12,000 kg 2 17,640 lbs @ 155 fpm 8,000 kg	Gear Capacity Line Speed Capacity 1 13,230 lbs @ 220 fpm 6,000 kg @ 2 8,820 lbs @ 310 fpm 4,000 kg @ 3 4,410 lbs @ 550 fpm 2,000 kg @ 4-Part Line 1 26,460 lbs @ 110 fpm 12,000 kg @ 2 17,640 lbs @ 155 fpm 8,000 kg @

Motor Information

Drive Unit	Horsepower	Kilowatts	Speed			
Trolley (Tw 60 TSG)	9.4 hp	7.0 kW	79 / 156 / 315 fpm	24 / 48 / 96 m/min		
Swing (Dw-FSG)	2 x 9.8 hp	2 x 7.3 kW	0.8 rpm			
Rail Travel (UW 260.2)	2 x 8.8 hp	2 x 6.6 kW	98.5 fpm	30 m/min		
Rail Travel (UW 260.3)	4 x 6.4 hp	4 x 4.8 kW	98.5 fpm	30 m/min		

Power Requirements

440 - 480 Volts - 3 phase - 60 cycle - 200 Amperes service with 115 hp (76 kW) hoist unit

Specifications subject to change without notice. For other configurations and specifications, contact Morwest Crane & Services Ltd.

MORWEST CRANE & SERVICES LTD.

PHONE: 403-243-7705

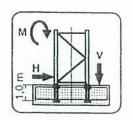
FAX: 403-243-7706

5707 – 3RD STREET SE CALGARY, AB, CANADA T2H 1K1

3/1

3.1.1 Foundation loads according to DIN

Inclusive all dynamic factors, theory order II taken into account for statioary tower crane on a concrete foundation according to tower configuration without climbing device Permanent acting moment = 1545 kNm M = moment H = horizintal force V = vertical load



Foundation loads Jib length 30 – 70 m

height under hook		Crane in service torque moment 351 kNm			Crane	out of s	ervice	Assembly			
[w] AÍA	[m] Å	M [kNm]	H [kN]	V [kN]	M [kNm]	H [kN]	V [kN]	M [kNm]	H [kN]	V [kN]	
10,1	10,5	2485	25	558	211	61	642	2493	15	395	
14,6	15,0	2596	26	578	501	66	660	2572	16	413	
19,1	19,5	2726	28	598	816	71	678	2664	18	431	
23,6	24,0	2878	29	618	1179	77	696	2768	19	449	
28,1	28,5	3051	31	638	1597	83	715	2884	21	468	
32,6	33,0	3248	32	658	2058	90	733	3015	22	486	
37,1	37,5	3471	34	678	2566	97	751	3160	24	504	
41,6	42,0	3720	- 35	698	3125	103	769	3322	25	522	
46,1	46,5	3941	38	741	3692	113	808	3464	28	561	
50,6	51,0	4216	40	772	4339	121	836	3640	30	589	
55,1	55,5	4519	42	803	5049	129	864	3833	32	617	
59,6	60,0	4798	45	860	5860	142	916	4027	34	663	
64,1	64,5	5125	47	896	6681	151	948	4234	36	695	
68,6	69,0	5467	49	936	7550	161	984	4450	39	731	
73,1	73,5	5837	52	976	8475	170	1021	4683	41	767	