

LUFFING JIB TOWER CRANE

RTL 705

50 I / II / III FALLS

TECHNICAL DATA SHEET

RTL 705



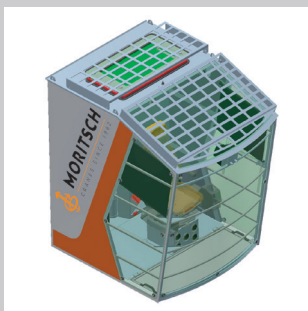
MORITSCH
CRANES SINCE 1962





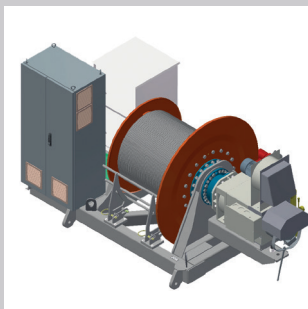
MORITSCH

C R A N E S S I N C E 1 9 6 2



CABIN

New design CAB , wider, longer, with improved visibility.
Grammer seat and gessman joy-stick for driver cofort
and ABB controls for maximum safety.
USB door, air con, easy cleaning of windows, 10" or 7"
screen included.



WINCHES

New generation of high power winches.
New braking system, new reduction gear to grant highest
performances ever seen on a luffer.

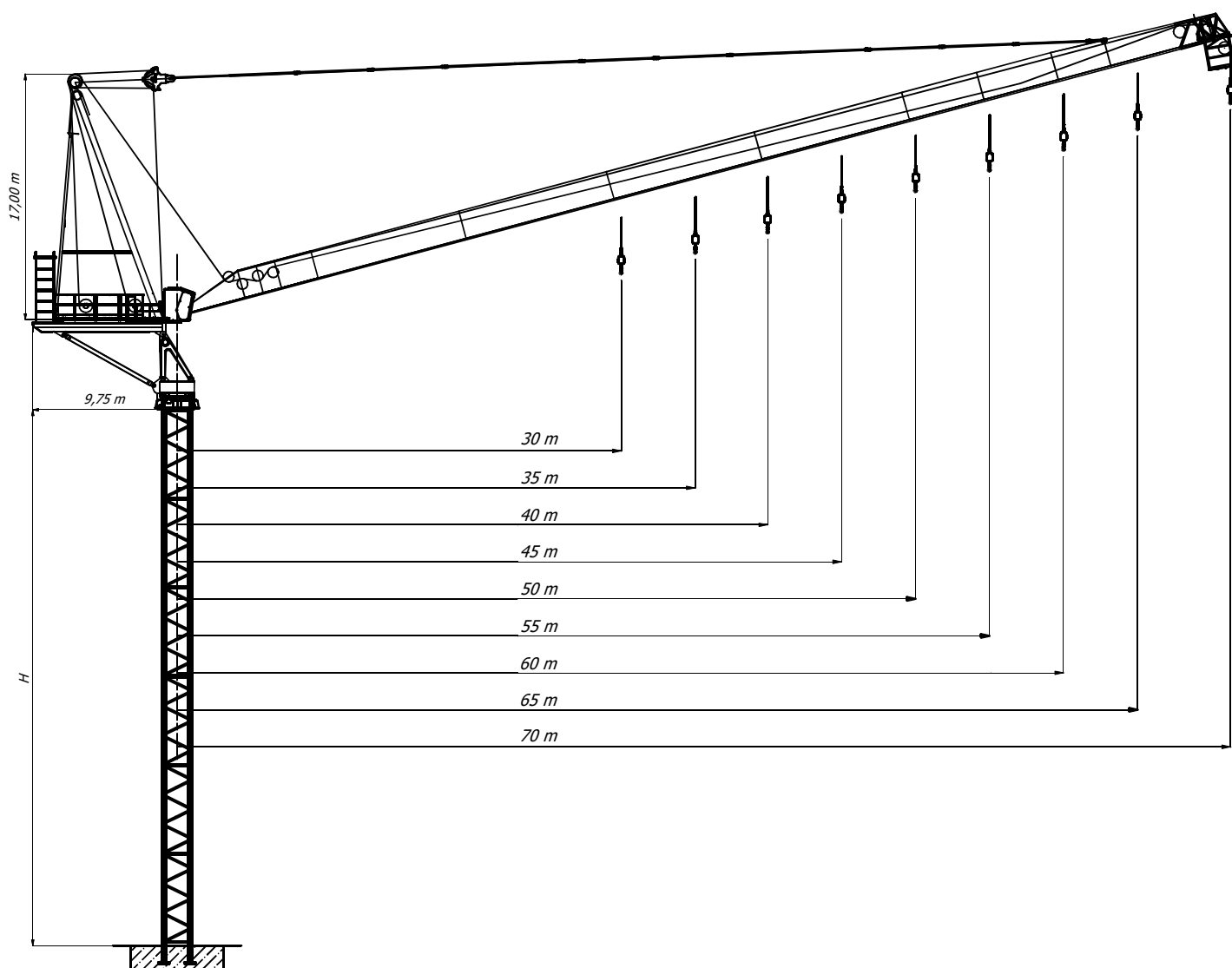


RTL 705

50 I / II / III FALLS

TECHNICAL DATA SHEET

CE EN 14439: 2009
FEM 1.001 - A3



RTL 705 - 50

	(t)	m	15	20	25	30	35	40	45	50	55	60	65	70
	16,50	41,28	16,50	16,50	16,50	16,50	16,50	16,50	14,44	12,16	10,30	8,74	7,43	6,30
	16,50	41,46	16,50	16,50	16,50	16,50	16,50	16,50	14,50	12,16	10,25	8,65	7,30	
	33,00	24,20	33,00	33,00	31,66	24,90	20,07	16,45	13,63	11,38	9,54	8,00	6,70	
	16,50	42,97	16,50	16,50	16,50	16,50	16,50	16,50	15,44	13,18	11,34	9,80		
	33,00	24,40	33,00	33,00	32,03	25,51	20,85	17,36	14,64	12,46	10,68	9,20		
	16,50	44,04	16,50	16,50	16,50	16,50	16,50	16,50	16,02	13,81	12,00			
	33,00	24,60	33,00	33,00	32,38	25,97	21,39	17,96	15,28	13,15	11,40			
	50,00	17,14	50,00	41,99	32,38	25,97	21,39	17,96	15,28	13,15	11,40			
	16,50	45,39	16,50	16,50	16,50	16,50	16,50	16,50	16,50	14,50				
	33,00	25,00	33,00	33,00	33,00	26,63	22,09	18,68	16,02	13,90				
	50,00	17,30	50,00	42,55	33,00	26,63	22,09	18,68	16,02	13,90				
	16,50	45,00	16,50	16,50	16,50	16,50	16,50	16,50	16,50	16,50				
	33,00	25,20	33,00	33,00	33,00	26,79	22,12	18,62	15,90					
	50,00	17,53	50,00	43,11	33,32	26,79	22,12	18,62	15,90					
	16,50	40,00	16,50	16,50	16,50	16,50	16,50	16,50	16,50					
	33,00	25,40	33,00	33,00	33,00	26,91	22,10	18,50						
	50,00	17,79	50,00	43,72	33,63	26,91	22,10	18,50						
	16,50	35,00	16,50	16,50	16,50	16,50	16,50	16,50						
	33,00	25,60	33,00	33,00	33,00	26,83	21,70							
	50,00	18,23	50,00	44,79	34,01	26,83	21,70							
	16,50	30,00	16,50	16,50	16,50	16,50	16,50							
	33,00	25,80	33,00	33,00	33,00	24,90								
	50,00	19,95	50,00	49,80	34,86	24,90								

RTL 705 - 50

	(lb)	ft	49	66	82	98	115	131	148	164	180	197	213	230
	36366	135,4	36366	36366	36366	36366	36366	36366	31836	26809	22697	19270	16371	13885
	36366	136,0	36366	36366	36366	36366	36366	36366	31958	26801	22581	19065	16089	
	72732	79,4	72732	72732	69779	54880	44237	36256	30048	25082	21018	17632	14767	
	36366	141,0	36366	36366	36366	36366	36366	36366	34022	29053	24987	21599		
	72732	80,0	72732	72732	70603	56224	45953	38250	32259	27466	23545	20277		
	36366	144,5	36366	36366	36366	36366	36366	36366	35303	30433	26448			
	72732	80,7	72732	72732	71357	57231	47140	39573	33687	28978	25126			
	110200	56,2	110200	92546	71357	57231	47140	39573	33687	28978	25126			
	36366	148,9	36366	36366	36366	36366	36366	36366	36366	31958				
	72732	82,0	72732	72732	72732	58700	48677	41160	35313	30636				
	110200	56,8	110200	93780	72732	58700	48677	41160	35313	30636				
	36366	147,6	36366	36366	36366	36366	36366	36366	36366	36366				
	72732	82,7	72732	72732	72732	59034	48752	41041	35044					
	110200	57,5	110200	95020	73428	59034	48752	41041	35044					
	36366	131,2	36366	36366	36366	36366	36366	36366	36366					
	72732	83,3	72732	72732	72732	59302	48715	40774						
	110200	58,4	110200	96359	74125	59302	48715	40774						
	36366	114,8	36366	36366	36366	36366	36366	36366						
	72732	84,0	72732	72732	72732	59133	47827							
	110200	59,8	110200	98706	74962	59133	47827							
	36366	98,4	36366	36366	36366	36366	36366							
	72732	84,7	72732	72732	72732	54880								
	110200	65,4	110200	109759	76831	54880								



RTL 705 - 50

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V3 - 10/20 - Subject to change without notice

RTL 705 - 50 M-LIFT

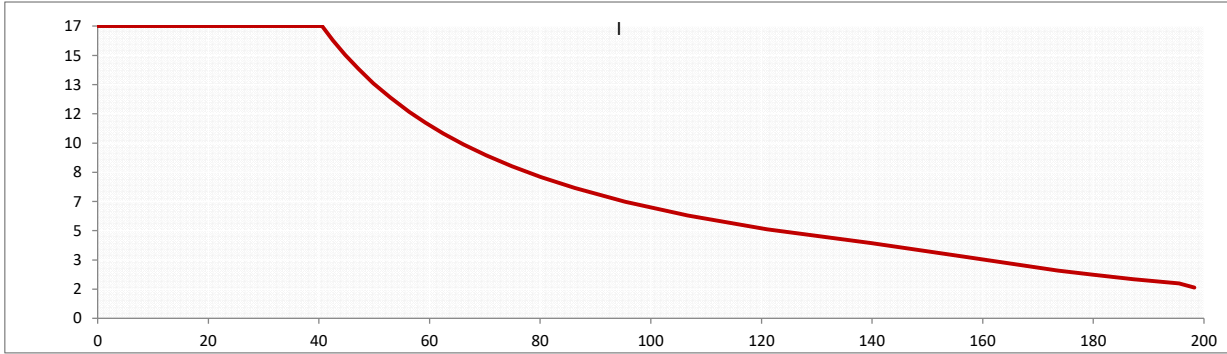
	(t)	m	15	20	25	30	35	40	45	50	55	60	65	70
	16,50	43,05	16,50	16,50	16,50	16,50	16,50	16,50	15,42	13,05	11,10	9,48	8,11	6,93
	16,50	43,32	16,50	16,50	16,50	16,50	16,50	16,50	15,55	13,11	11,11	9,44	8,03	
	33,00	25,24	33,00	33,00	33,00	26,35	21,32	17,54	14,60	12,25	10,33	8,73	7,37	
	16,50	45,46	16,50	16,50	16,50	16,50	16,50	16,50	16,50	14,36	12,41	10,78		
	33,00	25,77	33,00	33,00	33,00	27,35	22,43	18,74	15,86	13,57	11,69	10,12		
	16,50	46,96	16,50	16,50	16,50	16,50	16,50	16,50	16,50	15,13	13,20			
	33,00	26,21	33,00	33,00	33,00	28,06	23,18	19,52	16,68	14,40	12,54			
	50,00	18,26	50,00	45,13	34,88	28,06	23,18	19,52	16,68	14,40	12,54			
	16,50	48,73	16,50	16,50	16,50	16,50	16,50	16,50	16,50	15,95				
	33,00	26,82	33,00	33,00	33,00	28,95	24,07	20,41	17,57	15,29				
	50,00	18,56	50,00	46,03	35,78	28,95	24,07	20,41	17,57	15,29				
	16,50	45,00	16,50	16,50	16,50	16,50	16,50	16,50	16,50	16,50				
	33,00	27,04	33,00	33,00	33,00	29,17	24,16	20,41	17,49					
	50,00	18,82	50,00	46,69	36,18	29,17	24,16	20,41	17,49					
	16,50	40,00	16,50	16,50	16,50	16,50	16,50	16,50	16,50	16,50				
	33,00	27,26	33,00	33,00	33,00	29,37	24,22	20,35						
	50,00	19,09	50,00	47,42	36,59	29,37	24,22	20,35						
	16,50	35,00	16,50	16,50	16,50	16,50	16,50	16,50	16,50	16,50				
	33,00	27,41	33,00	33,00	33,00	29,36	23,87							
	50,00	19,52	50,00	48,58	37,05	29,36	23,87							
	16,50	30,00	16,50	16,50	16,50	16,50	16,50	16,50	16,50	16,50				
	33,00	27,09	33,00	33,00	33,00	27,39								
	50,00	20,94	50,00	50,00	37,85	27,39								

RTL 705 - 50 M-LIFT

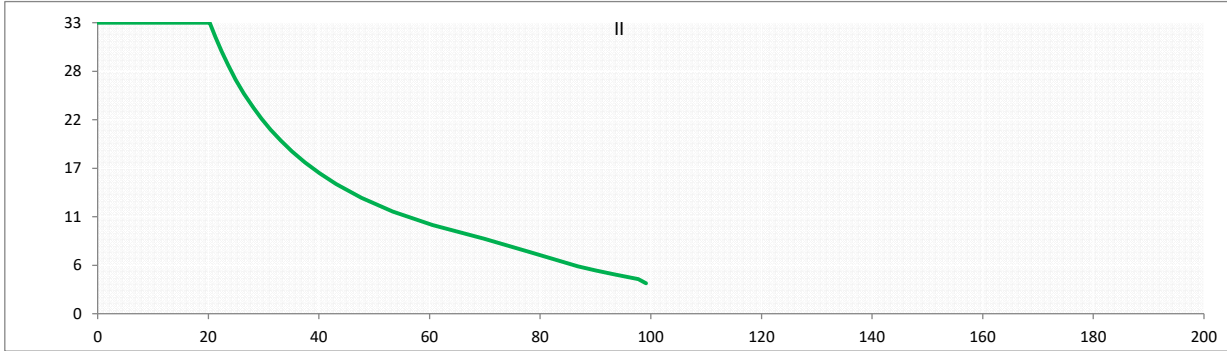
	(lb)	ft	49	66	82	98	115	131	148	164	180	197	213	230
	36366	141,2	36366	36366	36366	36366	36366	36366	33995	28753	24464	20890	17866	15274
	36366	142,1	36366	36366	36366	36366	36366	36366	34282	28892	24482	20808	17698	
	72732	82,8	72732	72732	72732	58079	46980	38655	32181	27001	22763	19232	16243	
	36366	149,2	36366	36366	36366	36366	36366	36366	36366	31645	27344	23759		
	72732	84,6	72732	72732	72732	60279	49429	41292	34963	29899	25757	22304		
	36366	154,1	36366	36366	36366	36366	36366	36366	36366	33342	29093			
	72732	86,0	72732	72732	72732	61837	51089	43028	36758	31742	27638			
	110200	59,9	110200	99456	76884	61837	51089	43028	36758	31742	27638			
	36366	159,9	36366	36366	36366	36366	36366	36366	36366	36366	35154			
	72732	88,0	72732	72732	72732	63806	53053	44989	38717	33699				
	110200	60,9	110200	101439	78859	63806	53053	44989	38717	33699				
	36366	147,6	36366	36366	36366	36366	36366	36366	36366	36366				
	72732	88,7	72732	72732	72732	64291	53258	44984	38548					
	110200	61,7	110200	102905	79736	64291	53258	44984	38548					
	36366	131,2	36366	36366	36366	36366	36366	36366	36366	36366				
	72732	89,4	72732	72732	72732	64739	53375	44851						
	110200	62,6	110200	104514	80649	64739	53375	44851						
	36366	114,8	36366	36366	36366	36366	36366	36366	36366					
	72732	89,9	72732	72732	72732	64713	52609							
	110200	64,0	110200	107076	81658	64713	52609							
	36366	98,4	36366	36366	36366	36366	36366	36366						
	72732	88,9	72732	72732	72732	60368								
	110200	68,7	110200	110200	83417	60368								

132 HVF 330

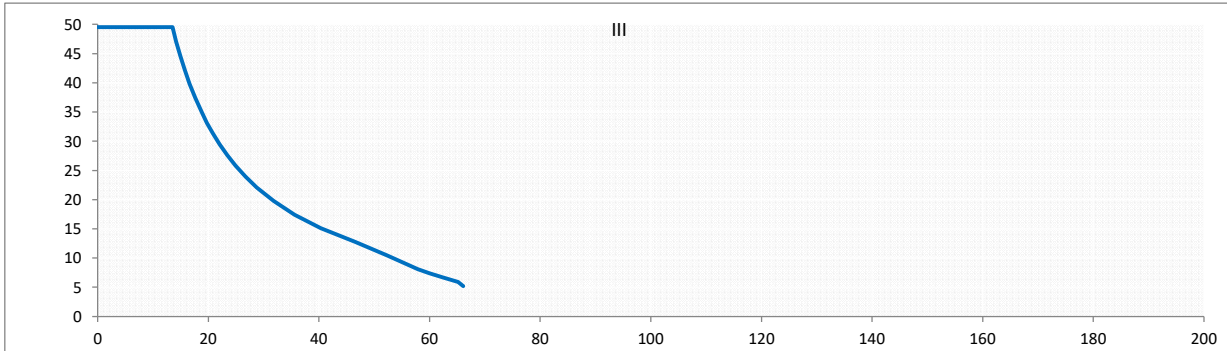
LOAD (t) I



LOAD (t) II



LOAD (t) III



HOISTING

				t	m/min			kW	
	132 HVF 330	I		16.5	0	→	40	132	
				11	0	→	59		
				5	0	→	121		
				2.2	0	→	187		
		II		33	0	→	20		
				22	0	→	29		
				10	0	→	60		
				4.4	0	→	95		
		III		50	0	→	13		
				33	0	→	20		
				15	0	→	40		
				6.6	0	→	62		

	HOISTING WINCH	132	kW	Max Rope	600	m
	LUFFING WINCH	80	kW			
	Slewing	4x11	kW		max power: S4x11kW L80kW H132kW	352 kVA



RTL 705 - 50

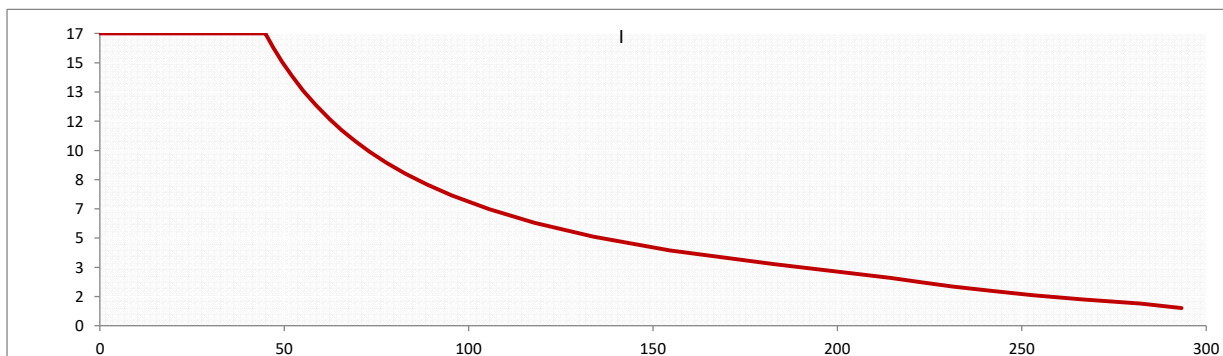
7

V3 - 10/20 - Subject to change without notice

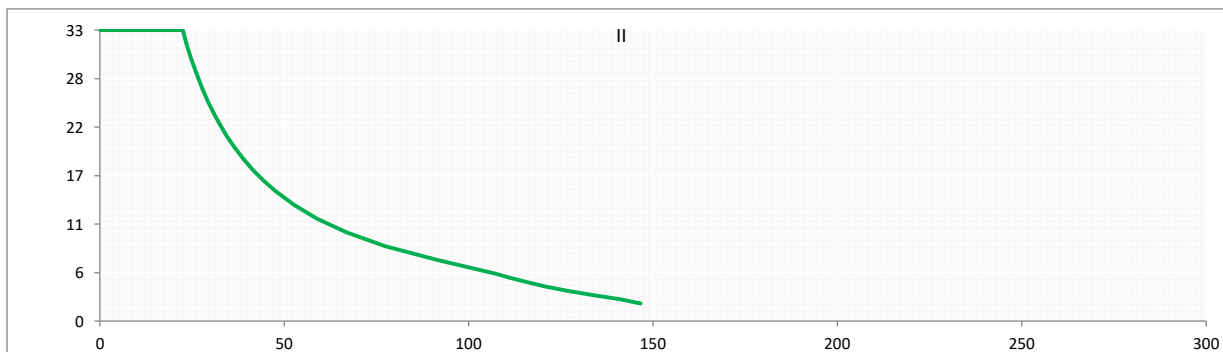


150 HVF 330

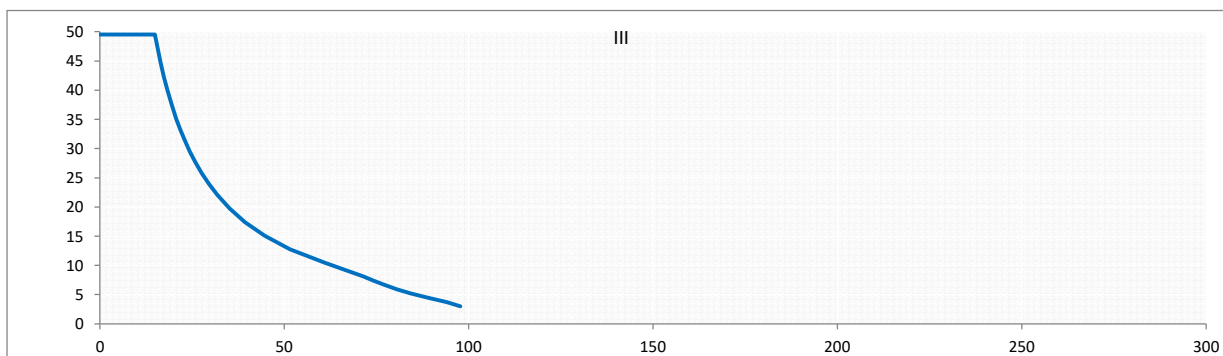
LOAD (t) I



LOAD (t) II



LOAD (t) III



HOISTING

				t	m/min			kW	
	150 HVF 330	I		16.5	0	→	44	150	600 m
				11	0	→	65		
				5	0	→	133		
				2.2	0	→	230		
		II		33	0	→	22		
				22	0	→	33		
				10	0	→	67		
				4.4	0	→	115		
		III		50	0	→	14		
				33	0	→	22		
				15	0	→	45		
				6.6	0	→	77		

	HOISTING WINCH	150	kW	Max Rope	600	m
	LUFFING WINCH	80	kW			
	Slewing	4x11	kW		max power: S4x11kW L80kW H150kW	376 kVA



MORITSCH

CRANES SINCE 1962



RTL 705 - 50



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