

LUFFING JIB TOWER CRANE

RTL 265

A - 18 HR23/HP20_{I / II / FALLS}

B - 18 HR23/HP20_{II / III / IV / FALLS}

TECHNICAL DATA SHEET

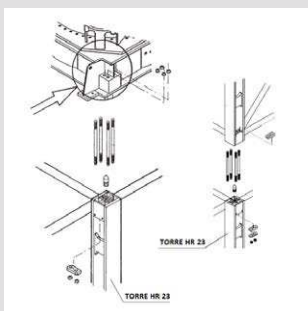


RECOMTM
Moritsch



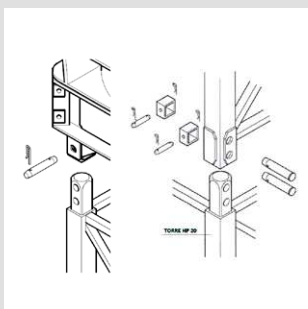
p. 4 RTL 265 A - 18 HR23/HP20

p. 10 RTL 265 B - 18 HR23/HP20



TOWER TYPE HR 23

The well known H beam mast sections with vertical bolts connection will allow greater free standing heights. Available in two versions, heavy duty (HR 23-26) and std duty type (HR 23-22).



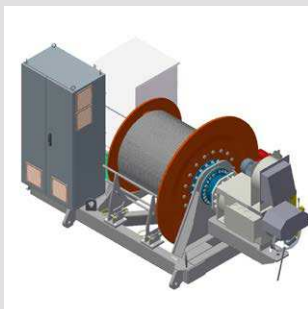
TOWER TYPE HP 20

The famous boxed beams -twin pins connections. Safety and performances trough pins.



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 6" screen included.



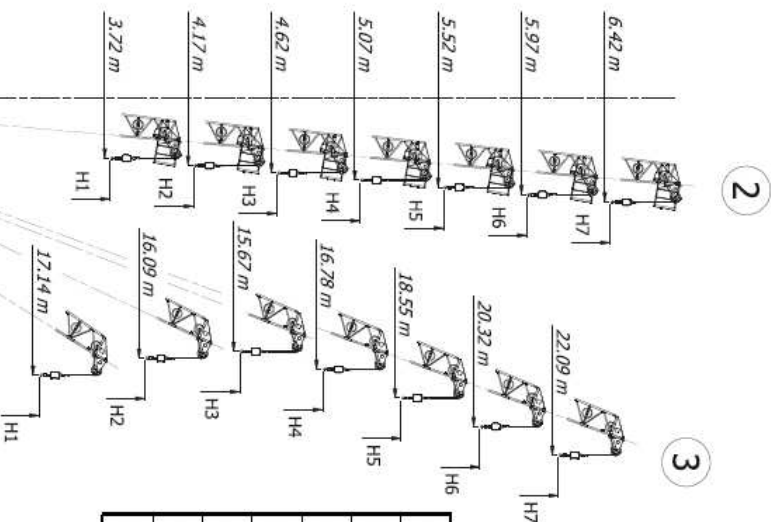
WINCHES

New generation of high power winches, from 67 to 110 kw. New braking system, new reduction gear to grant highest performances ever seen on a luffer.

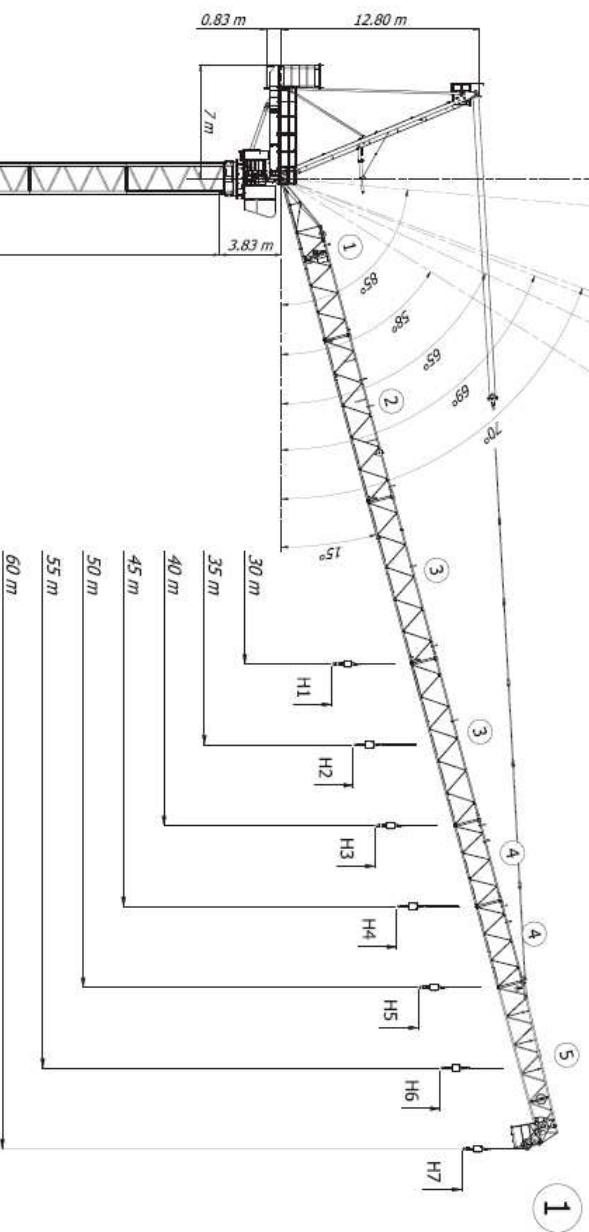
RTL 265

A - 18 HR23/HP20 I / II / FALLS

CE EN 14439: 2009
FEM 1.001 - A3



		1			2			3		
		I	II	III	I	II	III	I	II	III
H1	30	I	I	H + 6,47	H + 26,2	H + 24,2	H + 22,7	H + 21,5	H + 20,3	H + 19,1
H2	35	I	I	H + 7,81	H + 31,4	H + 29,4	H + 27,5	H + 26,3	H + 25,1	H + 23,9
H3	40	I	I	H + 9,15	H + 36,6	H + 34,6	H + 33,0	H + 31,8	H + 30,6	H + 29,4
H4	45	I	I	H + 10,49	H + 41,7	H + 39,7	H + 38,1	H + 36,9	H + 35,7	H + 34,5
H5	50	I	I	H + 11,83	H + 46,9	H + 44,9	H + 43,3	H + 42,1	H + 40,9	H + 39,7
H6	55	I	I	H + 13,17	H + 52,0	H + 50,0	H + 48,4	H + 47,2	H + 46,0	H + 44,8
H7	60	I	I	H + 14,51	H + 57,2	H + 55,2	H + 53,6	H + 52,4	H + 51,2	H + 50,0



RTL 265 A - 18												
t		m	15	20	25	30	35	40	45	50	55	60
9 t	27,75 m	t	9,00	9,00	9,00	7,99	6,33	5,08	4,12	3,34	2,70	2,20
13,5 t	19,81 m	t	13,50	13,33	9,86	7,54	5,89	4,65	3,68	2,91	2,28	1,80
59,46 m												
9 t	28,62 m	t	9,00	9,00	9,00	8,36	6,67	5,40	4,41	3,62	3,00	
16 t	17,78 m	t	16,00	13,80	10,26	7,90	6,22	4,96	3,97	3,18	2,60	
54,46 m												
9 t	31,67 m	t	9,00	9,00	9,00	9,00	7,79	6,41	5,33	4,50		
18 t	17,94 m	t	18,00	15,78	11,89	9,30	7,45	6,06	4,98	4,20		
49,47 m												
9 t	32,68 m	t	9,00	9,00	9,00	9,00	8,16	6,76	5,70			
18 t	18,32 m	t	18,00	16,20	12,28	9,66	7,79	6,39	5,40			
44,47 m												
9 t	33,52 m	t	9,00	9,00	9,00	9,00	8,47	7,10				
18 t	18,50 m	t	18,00	16,42	12,52	9,92	8,06	6,80				
39,47 m												
9 t	33,80 m	t	9,00	9,00	9,00	9,00	8,60					
18 t	18,55 m	t	18,00	16,48	12,58	9,99	8,30					
34,47 m												
9 t	30,00 m	t	9,00	9,00	9,00	9,00						
18 t	18,57 m	t	18,00	16,49	12,58	10,20						
29,47 m												

RTL 265 A - 18												
lb		ft	49,21	65,62	82,02	98,43	114,83	131,23	147,64	164,04	180,45	196,85
19841,6	91,04 ft	lb	19842	19842	19842	17617	13956	11210	9072	7361	5959	4850
29762,4	64,99 ft	lb	29762	29389	21736	16633	12987	10251	8122	6418	5021	3968
195,08 ft												
19841,6	93,90 ft	lb	19842	19842	19842	18442	14709	11908	9727	7981	6614	
35273,9	58,33 ft	lb	35274	30418	22623	17426	13712	10925	8756	7019	5732	
178,67 ft												
19841,6	103,90 ft	lb	19842	19842	19842	19842	17166	14123	11754	9921		
39683,2	58,86 ft	lb	39683	34778	26218	20510	16431	13370	10986	9259		
162,30 ft												
19841,6	107,22 ft	lb	19842	19842	19842	19842	17987	14903	12566			
39683,2	60,10 ft	lb	39683	35714	27068	21301	17181	14087	11905			
145,90 ft												
19841,6	109,97 ft	lb	19842	19842	19842	19842	18665	15653				
39683,2	60,70 ft	lb	39683	36195	27605	21876	17780	14991				
129,49 ft												
19841,6	110,89 ft	lb	19842	19842	19842	19842	18960					
39683,2	60,86 ft	lb	39683	36323	27743	22018	18298					
113,09 ft												
19841,6	98,43 ft	lb	19842	19842	19842	19842						
39683,2	60,93 ft	lb	39683	36360	27734	22487						
96,69 ft												

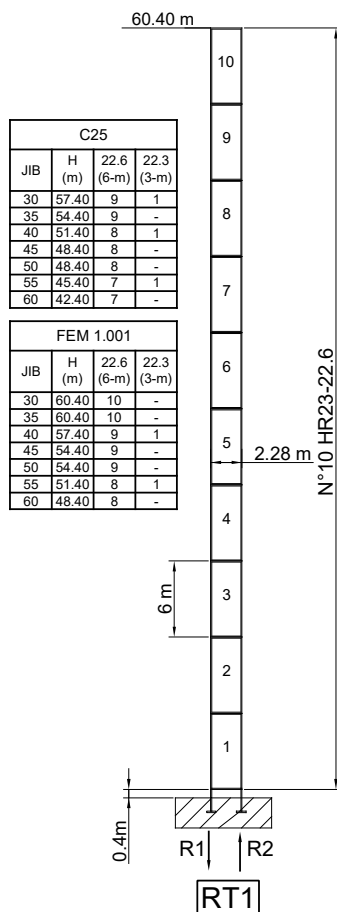
Hoisting rope weight not included into the above chart - reduce the lifting performance with the following amount dependig on final crane height:

Rope weight:

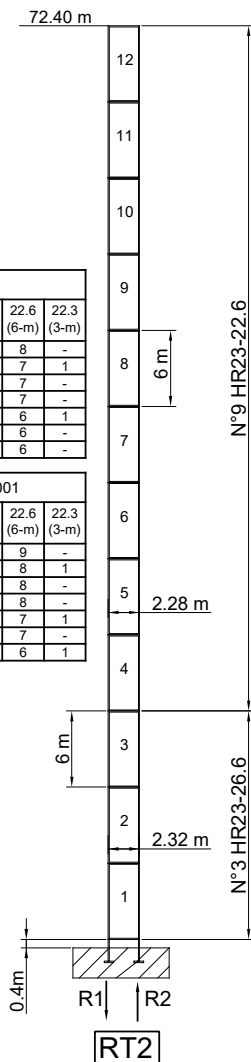
I FALL	2,383 kg/m →	1,60 lb/ft
II FALL	4,766 kg/m →	3,20 lb/ft

HR23

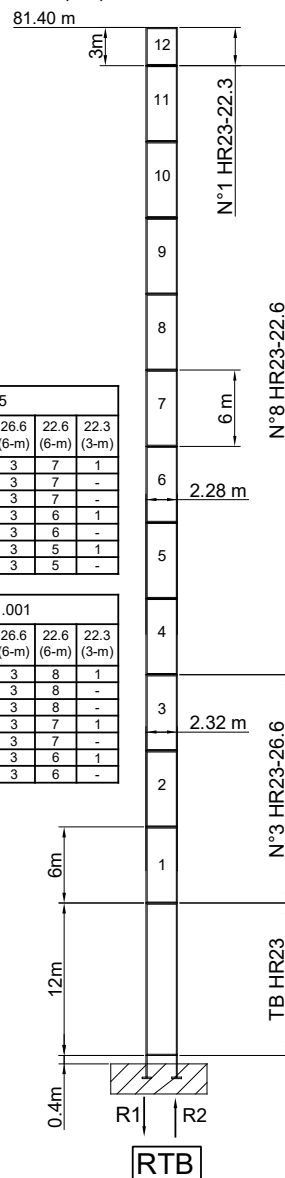
(H)



(H)

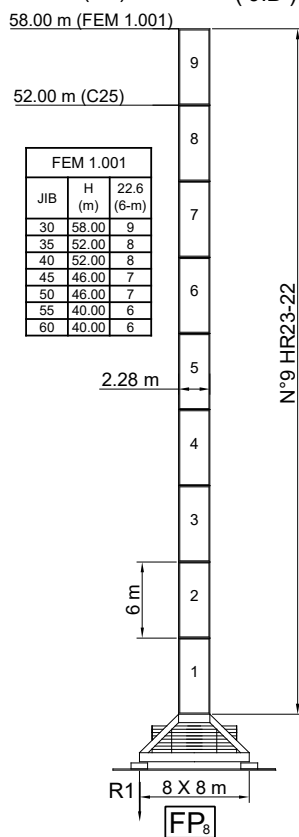


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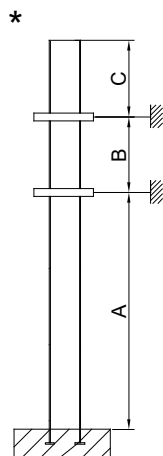
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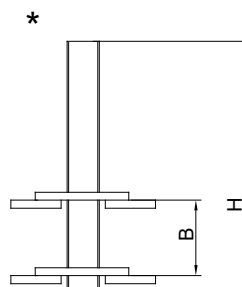


(C25) FEM 1.004 out of service wind conditions

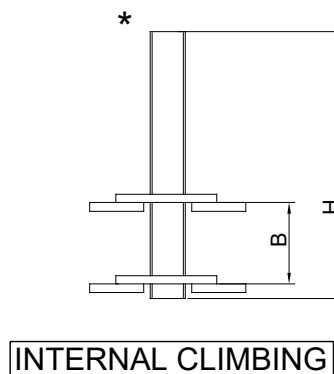
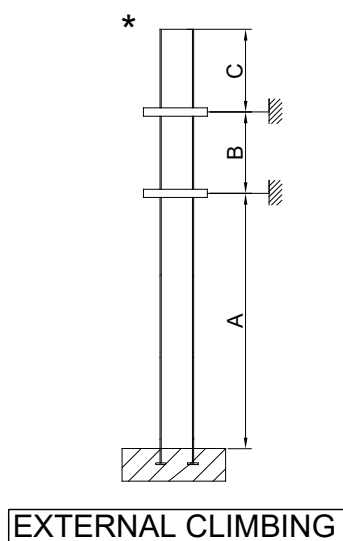
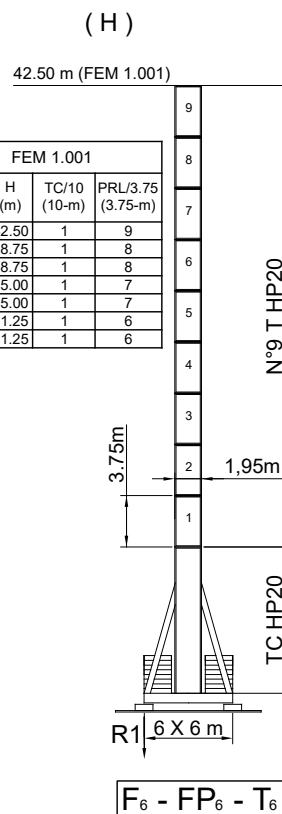
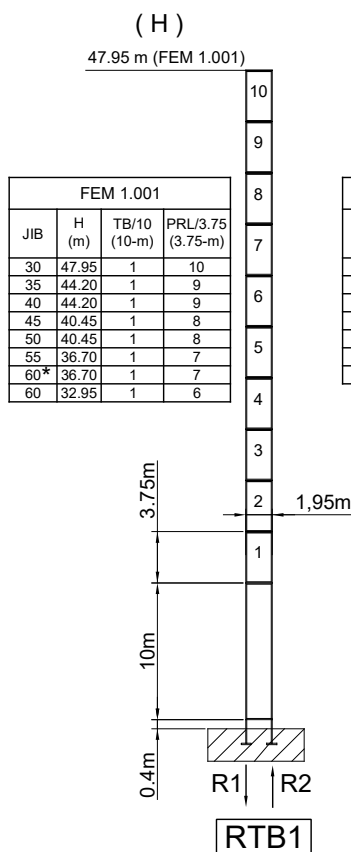
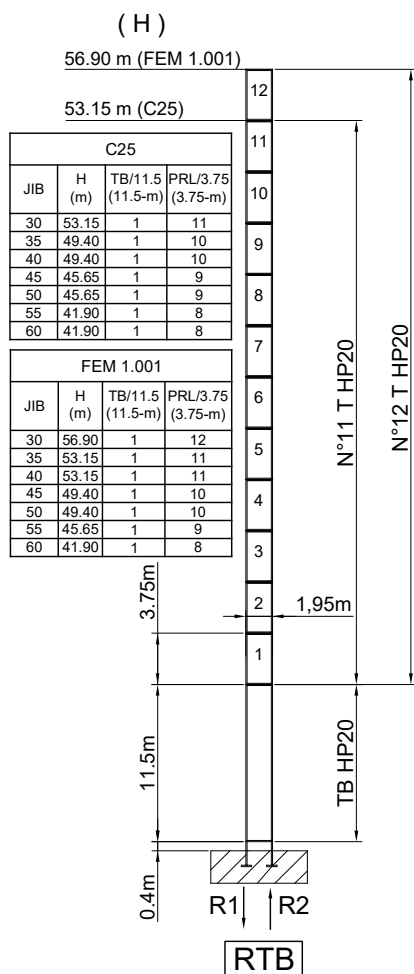
Different height and tower combinations are available - please consult us



EXTERNAL CLIMBING



INTERNAL CLIMBING

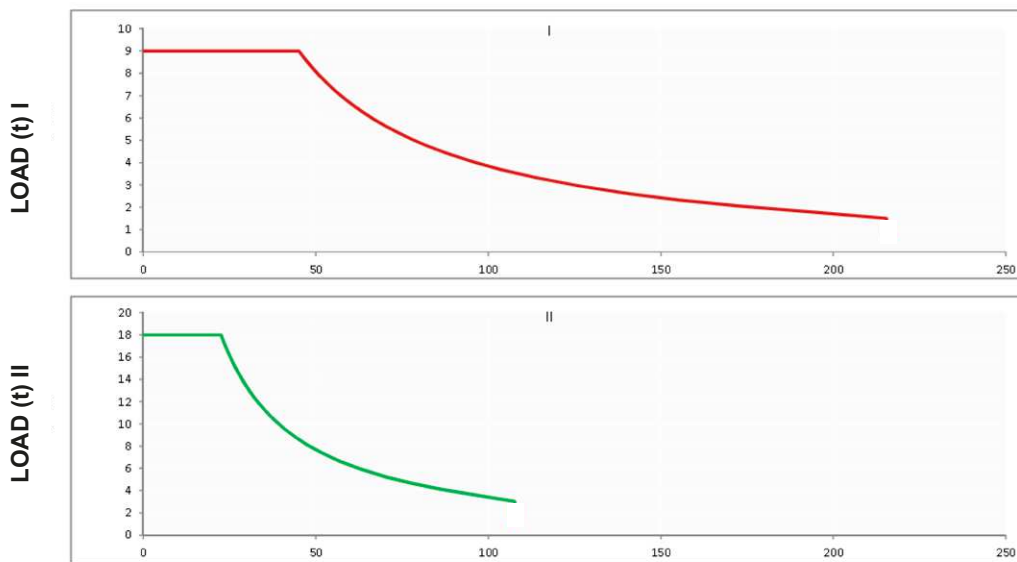


* Please ask tech. Dept.

(C25) FEM 1.004 out of service wind conditions

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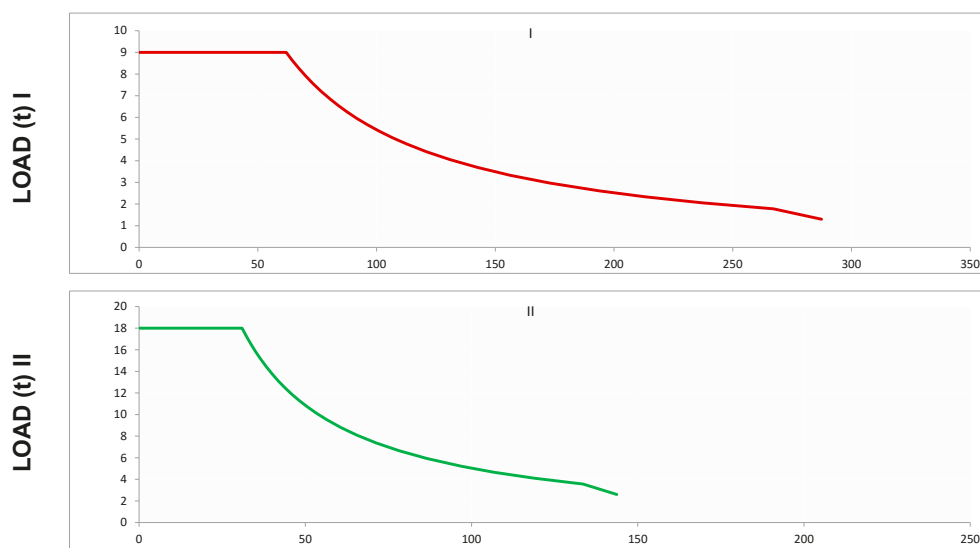
80 HVF 180



HOISTING

			t	m/min	kW	
	80 HVF 180		9	0 → 45	80	
			7	0 → 58		
			4	0 → 97		
			1,3	0 → 215		
			18	0 → 22,5		
			14	0 → 29		
			8	0 → 48		
			2,6	0 → 107		

110 HVF 180



HOISTING

			t	m/min	kW	
	110 HVF 180		9	0 → 62	110	
			7	0 → 77		
			4	0 → 130		
			1,3	0 → 275		
			18	0 → 31		
			14	0 → 38		
			8	0 → 65		
			2,6	0 → 135		



Hoisting Winch 80 kW

Max rope on drum: 850 m



Hoisting Winch 110 kW

Max rope on drum: 850 m



Luffing Winch 67 kW

15° → 85° = 1.8 min.



Slewing 2 x 11.0 kW

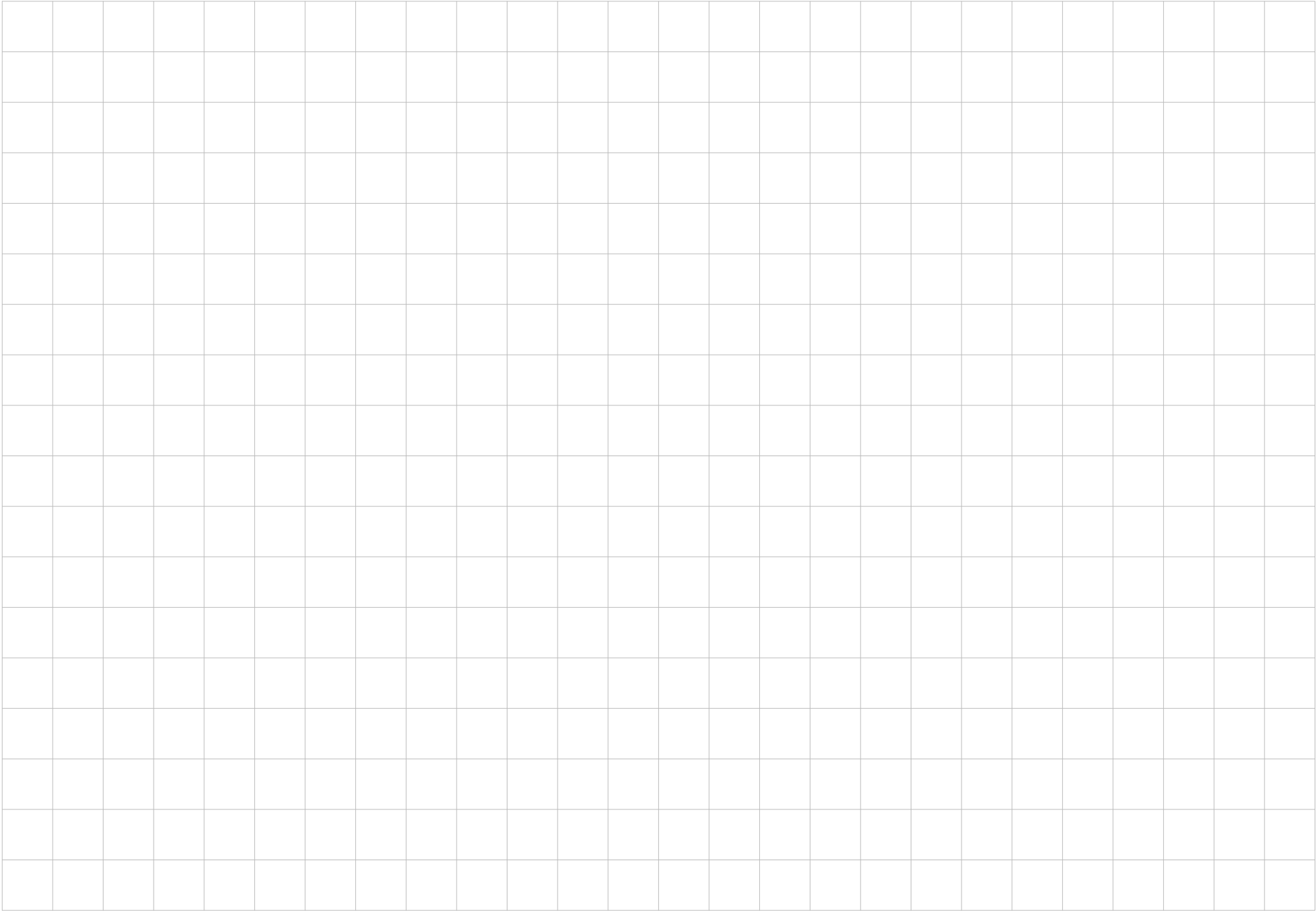
0.70 rpm

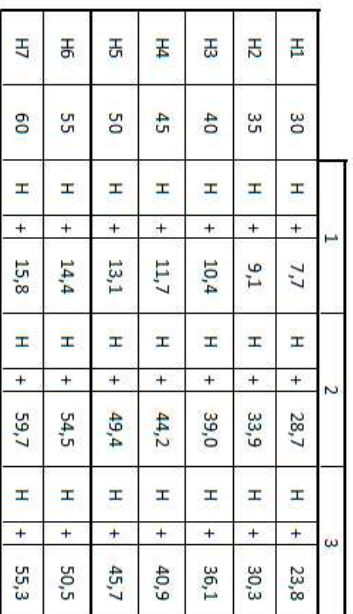


Machine rating

L67kW H80kW : 220 kVA

L67kW H110kW : 325 kVA





RTL 265 B - 18

t		m	15	20	25	30	35	40	45	50	55	60
9 t	28,41 m	t	9,00	9,00	9,00	8,33	6,60	5,31	4,31	3,51	2,85	2,30
13,5 t	20,64 m	t	13,50	13,50	10,49	8,13	6,43	5,16	4,18	3,39	2,74	2,20
9 t	29,64 m	t	9,00	9,00	9,00	8,85	7,07	5,74	4,71	3,88	3,20	
13,5 t	21,21 m	t	13,50	13,50	10,89	8,45	6,70	5,40	4,38	3,57	2,90	*
16 t	18,53 m	t	16,00	14,55	10,89	8,45	6,70	5,40	4,38	3,57	2,90	
9 t	32,57 m	t	9,00	9,00	9,00	9,00	8,14	6,71	5,59	4,70		
13,5 t	23,26 m	t	13,50	13,50	12,31	9,68	7,79	6,38	5,28	4,40		*
18 t	18,39 m	t	18,00	16,27	12,31	9,68	7,79	6,38	5,28	4,40		
9 t	33,48 m	t	9,00	9,00	9,00	9,00	8,47	7,03	5,90			
13,5 t	23,82 m	t	13,50	13,50	12,71	10,04	8,14	6,71	5,60			*
18 t	18,78 m	t	18,00	16,70	12,71	10,04	8,14	6,71	5,60			
9 t	34,22 m	t	9,00	9,00	9,00	9,00	8,74	7,30				
13,5 t	24,18 m	t	13,50	13,50	12,96	10,31	8,42	7,00				*
18 t	18,98 m	t	18,00	16,93	12,96	10,31	8,42	7,00				
9 t	34,40 m	t	9,00	9,00	9,00	9,00	8,80					
13,5 t	24,30 m	t	13,50	13,50	13,04	10,39	8,50					*
18 t	19,05 m	t	18,00	17,01	13,04	10,39	8,50					
9 t	30,00 m	t	9,00	9,00	9,00	9,00						
13,5 t	24,34 m	t	13,50	13,50	13,06	10,40						*
18 t	19,10 m	t	18,00	17,06	13,06	10,40						

* = + 200 kg using single block



RTL 265 B - 18

lb		ft	49,21	65,62	82,02	98,43	114,83	131,23	147,64	164,04	180,45	196,85
19841,6	93,21 ft	lb	19842	19842	19842	18355	14561	11715	9502	7730	6280	5071
29762,4	67,72 ft	lb	29762	29762	23137	17914	14183	11385	9208	7466	6040	4850
19841,6	97,24 ft	lb	19842	19842	19842	19506	15594	12660	10378	8551	7055	
29762,4	69,59 ft	lb	29762	29762	24003	18624	14782	11900	9658	7863	6393	*
35273,9	60,79 ft	lb	35274	32070	24003	18624	14782	11900	9658	7863	6393	
19841,6	106,89 ft	lb	19842	19842	19842	19842	17955	14793	12332	10362		
29762,4	76,31 ft	lb	29762	29762	27147	21333	17180	14065	11641	9700		*
39683,2	60,33 ft	lb	39683	35867	27147	21333	17180	14065	11641	9700		
19841,6	109,84 ft	lb	19842	19842	19842	19842	18681	15491	13007			
29762,4	78,15 ft	lb	29762	29762	28013	22140	17944	14796	12346			*
39683,2	61,61 ft	lb	39683	36821	28013	22140	17944	14796	12346			
19841,6	112,27 ft	lb	19842	19842	19842	19842	19263	16094				
29762,4	79,33 ft	lb	29762	29762	28575	22736	18564	15432				*
39683,2	62,27 ft	lb	39683	37333	28575	22736	18564	15432				
19841,6	112,86 ft	lb	19842	19842	19842	19842	19401					
29762,4	79,72 ft	lb	29762	29762	28747	22911	18739					*
39683,2	62,50 ft	lb	39683	37499	28747	22911	18739					
19841,6	98,43 ft	lb	19842	19842	19842	19842						
29762,4	79,86 ft	lb	29762	29762	28801	22928						*
39683,2	62,66 ft	lb	39683	37603	28801	22928						

* = + 441 lb using single block



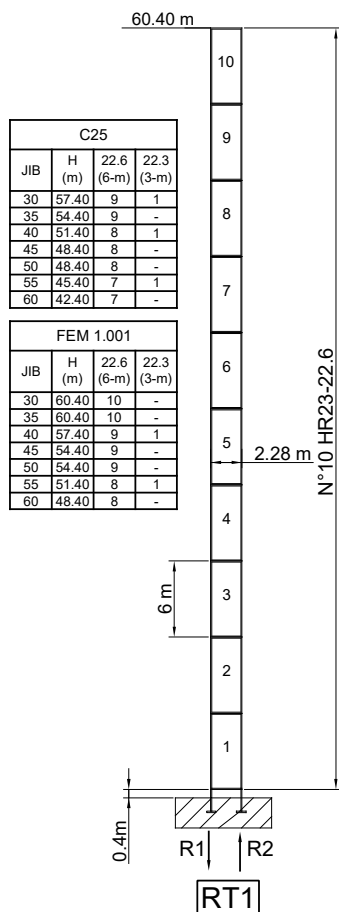
Hoisting rope weight not included into the above chart - reduce the lifting performance with the following amount dependig on final crane height:

Rope weight:

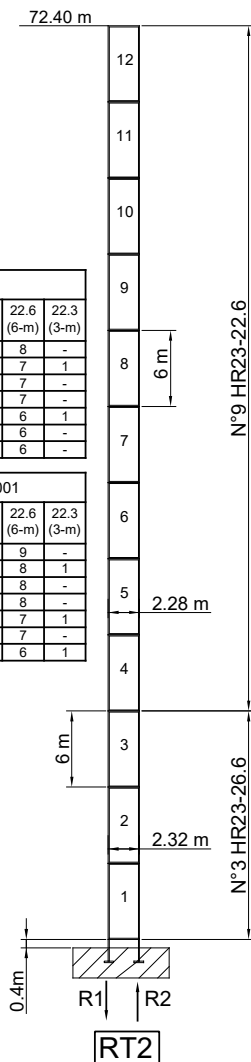
II FALL	2,534 kg/m →	1,70 lb/ft
III FALL	3,801 kg/m →	2,55 lb/ft
IV FALL	5,068 kg/m →	3,41 lb/ft

HR23

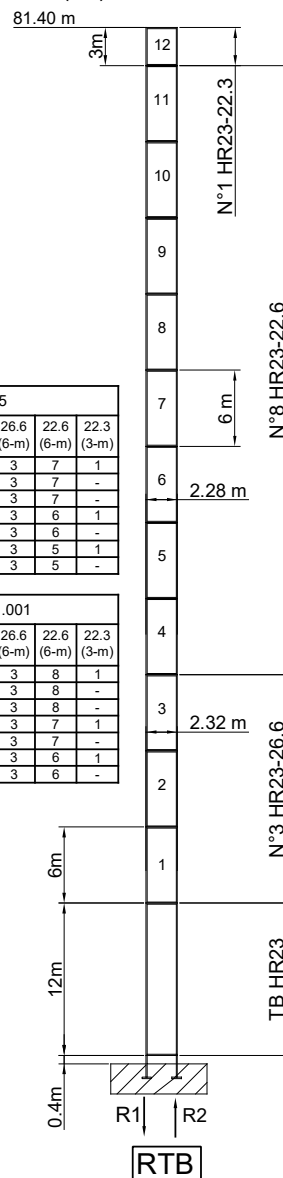
(H)



(H)

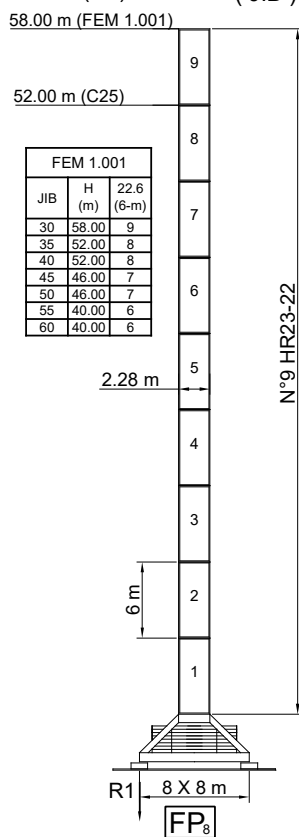


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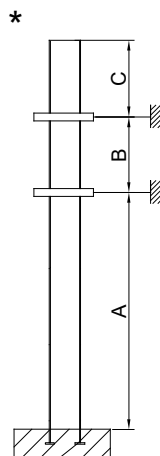
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(JIB)

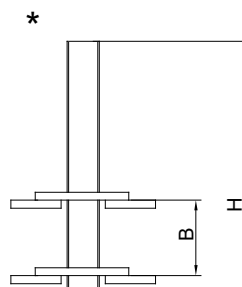


(C25) FEM 1.004 out of service wind conditions

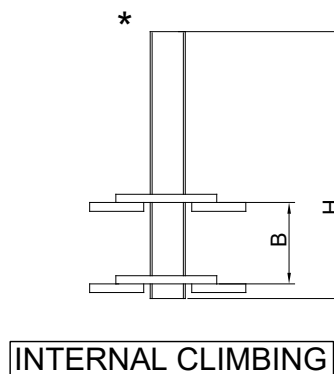
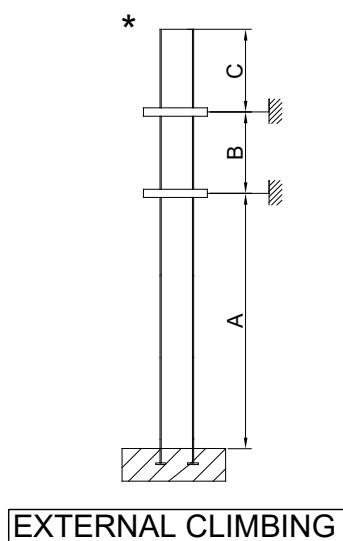
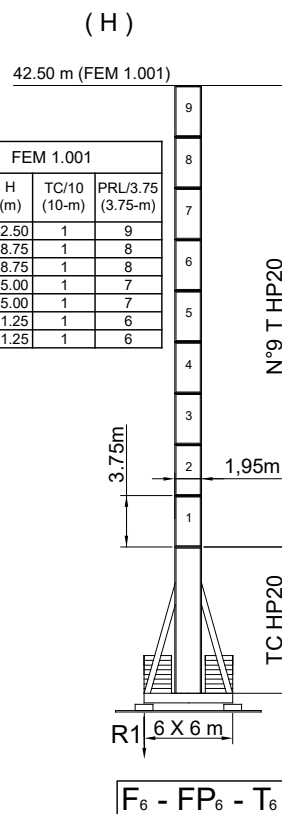
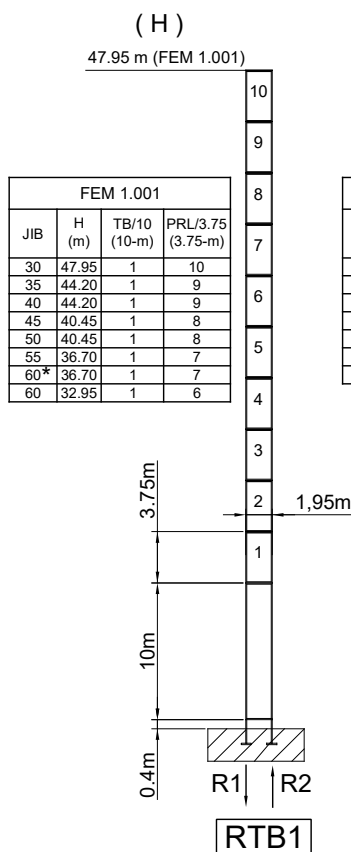
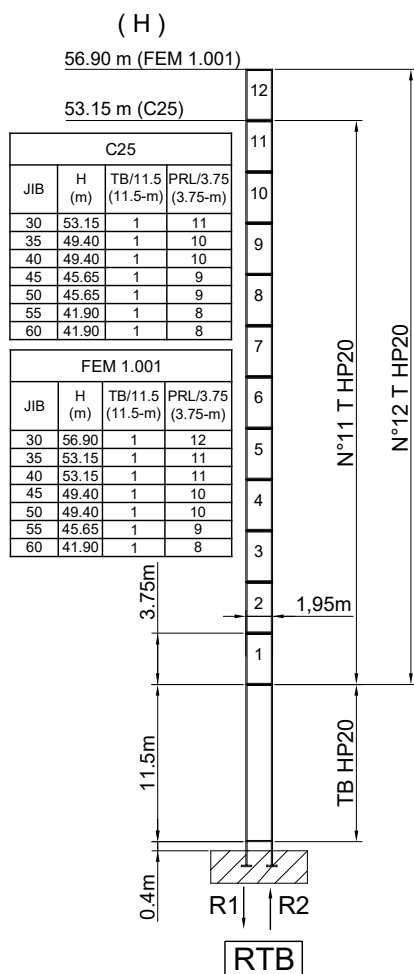
Different height and tower combinations are available - please consult us



EXTERNAL CLIMBING



INTERNAL CLIMBING

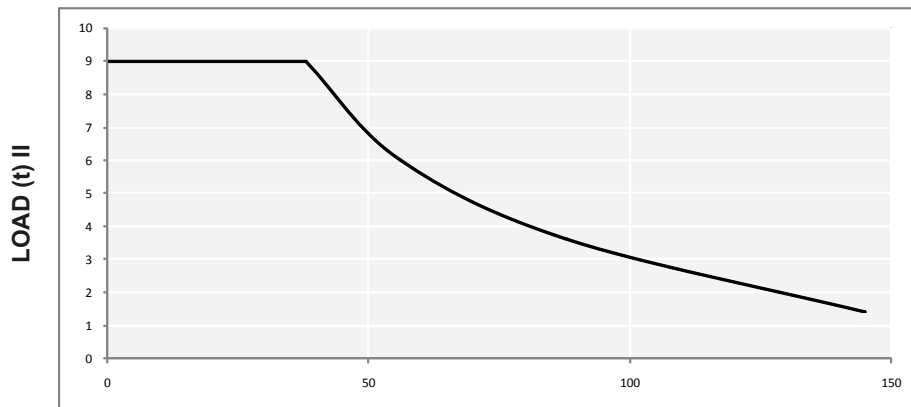


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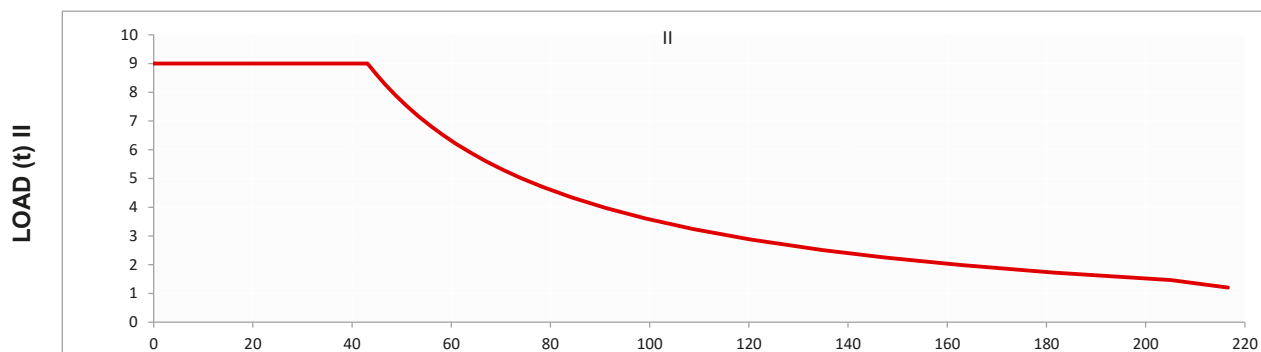
67 HVF 90



HOISTING

			t	m/min		kW	
	67 HVF 90		9	0	→	38	
			6	0	→	56	
			3,6	0	→	88	
			1,4	0	→	145	
			13,5	0	→	25	
			9	0	→	37	
			5,4	0	→	58	
			2,1	0	→	96	
			18	0	→	19	
			12	0	→	28	
			7,2	0	→	44	
			2,8	0	→	72	

80 HVF 90



HOISTING

			t	m/min		kW	
	80 HVF 90		9	0	→	43	
			7,5	0	→	51	
			5	0	→	74	
			1,5	0	→	204	
			13,5	0	→	29	
			11,3	0	→	34	
			8	0	→	47	
			2,3	0	→	136	
			18	0	→	22,0	
			15	0	→	25	
			10	0	→	37	
			3	0	→	102	



Hoisting Winch 67 kW

Max rope on drum: 970 (1150 optional)

Hoisting Winch 80 kW

Max rope on drum: 970 (1150 optional)



Luffing Winch 45 kW

15° → 85° = 2.6 min.

Luffing Winch 67 kW

15° → 85° = 1.8 min.



Slewing 2 x 11.0 kW

0.70 rpm

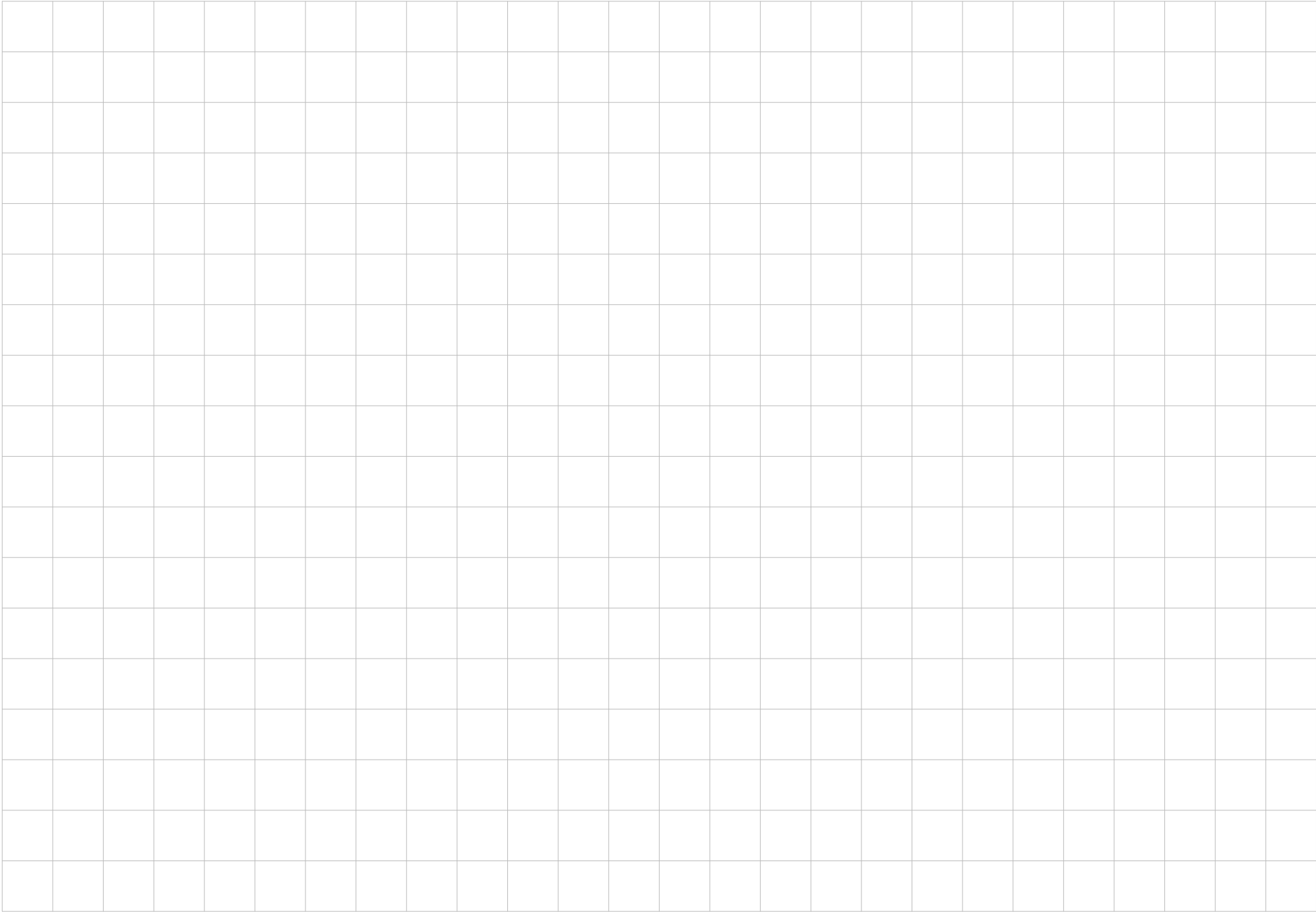


Machine rating 180 kVA

L45kW H67kW : 130kVA

L67kW H67kW : 180kVA

L67kW H80kW : 220kVA





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