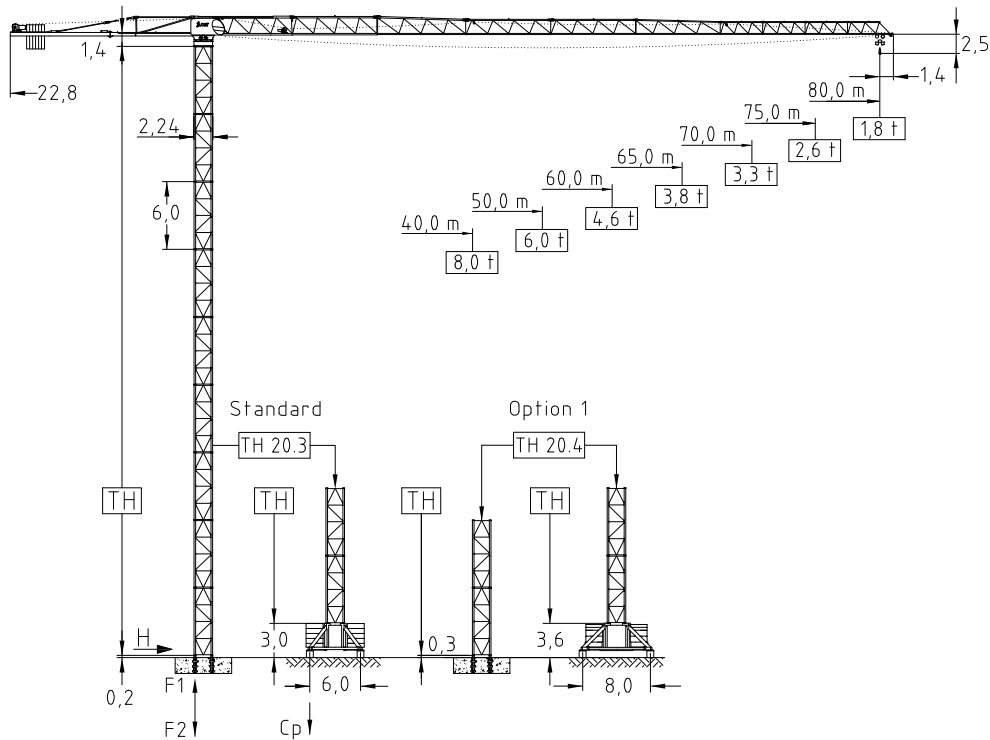


JT 312.12 - 12,0 ton

Tower TH 20.3 4-fall rope

Topless Crane



Jib (m)	Tower heights all data in (m)			
	Standard Tower		Option 1	
	Foundat.	Chassis	Foundat.	Chassis
40,0-50,0	TH 20.3	UC 6,0-20.3	TH 20.4	UC 8,0-20.4
60,0-65,0-70,0	63,0	54,0	72,0	63,0
75,0-80,0	60,0	51,0	69,0	63,0
	57,0	48,0	66,0	60,0

EN 14439 : 2008
WIND C 25
ISO 9001 : 2008



Jib		max. Load	Jib reach									
m	rope	t	25	30	35	40	50	60	65	70	75	80
80,0	6,0	31,0	6,00	6,00	5,19	4,43	3,37	2,67	2,40	2,17	1,97	1,80
	12,0	16,8	7,50	6,02	4,97	4,19	3,10	2,39	2,11	1,88	1,68	1,50
75,0	6,0	37,5	6,00	6,00	6,00	5,57	4,29	3,44	3,12	2,84	2,60	
	12,0	19,9	9,22	7,45	6,21	5,28	3,99	3,14	2,82	2,54	2,30	
70,0	6,0	42,1	6,00	6,00	6,00	6,00	4,92	3,97	3,61	3,30		
	12,0	22,0	10,35	8,41	7,04	6,02	4,60	3,66	3,31	3,00		
65,0	6,0	43,7	6,00	6,00	6,00	6,00	5,15	4,17	3,80			
	12,0	23,1	10,97	8,93	7,50	6,43	4,95	3,97	3,60			
60,0	6,0	47,5	6,00	6,00	6,00	6,00	5,56	4,60				
	12,0	24,8	11,87	9,70	8,16	7,03	5,44	4,40				
50,0	6,0	50,0	6,00	6,00	6,00	6,00	6,00					
	12,0	26,2	12,00	10,30	8,86	7,47	5,80					
40,0	6,0	40,0	6,00	6,00	6,00	6,00						
	12,0	27,8	12,00	10,95	9,22	8,00						

Hoist 37,0 kW FI							
l	t	1,4	1,8	2,8	4,6	5,8	6,0
	m/min	92	84	68	50	42	24
l	t	2,8	3,6	5,6	9,2	11,6	12,0
	m/min	46	42	34	25	21	12
Drum capacity				820,0 m			

Hoist 55,0 kW FI							
l	t	1,0	2,0	3,6	4,8	5,6	6,0
	m/min	138	110	84	70	56	40
l	t	2,0	4,0	7,2	9,6	11,2	12,0
	m/min	69	55	42	35	28	20
Drum capacity				860,0 m			

Power requirement
400V (±10%) - 50Hz

Motor	5,5 kW FI	3 x 4,4 kW	4 x 7,5 kW
t/v	0,0-80,0 m/min	0,67 rpm	25,0 m/min
Power requirement		Hoist 37,0 kW	80,0 kVA
Upper part		Hoist 55,0 kW	105,0 kVA

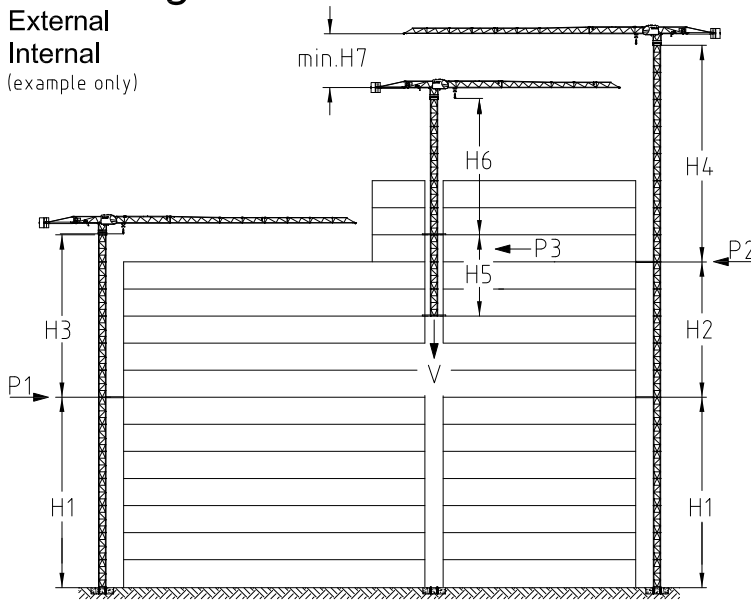
Shipping		
	Truck	Cont.
Top crane	6	7
Tower 2 unit	1	1
Climbing	2	2
Chasis	1	1

Counter weight	
Block 1	4 x 3,9 t
Block 2	2 x 2,5 t
Total	20,6 t

Ropes		
	D (mm)	N/mm ²
Hoist	14,0	1960
Trolley	10,0	1770

Climbing

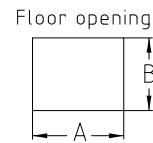
External
Internal
(example only)



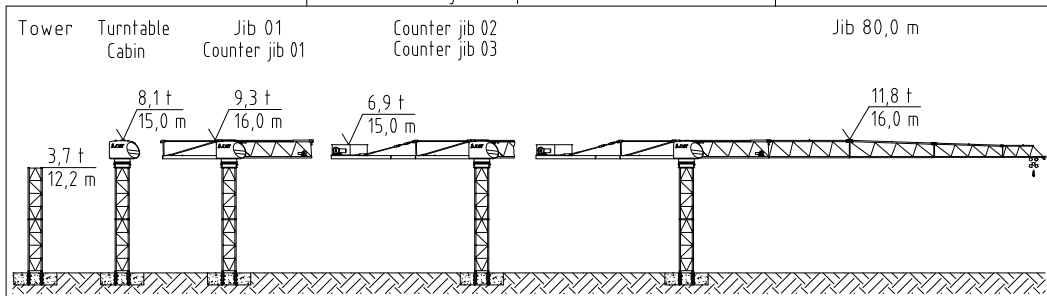
	m	in service t	out of service t
H1	54,0		
H2	42,0		
H3	48,0		
H4	48,0		
H5	14,0		
H6	26,0		
H7	6,0		
A	2,90		
B	2,40		
P1		123,5	312,5
P2		129,6	269,7
P3		253,4	281,8
V		861,6	711,9

All data with TH 20.3

Jib length 40,0 m



Assembly sequence TH 20.3



Crane on foundation plate

Jib length (m)	Tower height (m)	No. of Towers	Foundation loadings			Corner forces	
			M (kNm)	V (kN)	H (kN)	F1 (kN)	F2 (kN)
80-75	57,0	9,5	7475,0	951,4	182,9	1812,0	- 2288,0
70-65-60	60,0	10,0	8478,0	967,5	196,3	2048,0	- 2532,0
50-40	63,0	10,5	9059,0	955,0	200,3	2141,0	- 2619,0

Crane on chassis

Jib length (m)	Tower height incl. chassis (m)	No. of Towers	in service		out of service		Ballast (t)
			Cp (kN)	H (kN)	Cp (kN)	H (kN)	
80-75	48,0	8,0	944,0	49,9	1157,0	201,2	110,0
70-65-60	51,0	8,5	1091,0	50,6	1116,0	205,9	130,0
50-40	54,0	9,0	1171,0	51,8	1180,0	210,4	150,0

Part list

Part	L (m)	W (m)	H (m)	kg	Part	L (m)	W (m)	H (m)	kg
Jib 01	12,01	1,60	2,35	5400	Counter jib 01+Electr.	7,25	2,00	2,00	3120
Jib 02	10,40	1,45	2,26	2735	Counter jib 02+Suspen.	3,24	2,08	0,71	1020
Jib 03	10,84	1,45	2,27	2435	Counter jib 03+Suspen.	11,97	2,08	0,77	3580
Jib 04	10,29	1,45	1,92	1560	Hook block	1,01	0,50	1,87	800
Jib 05	10,23	1,45	1,84	1345	Hoist unit & rope	2,37	1,84	1,32	2445
Jib 06	10,18	1,45	1,82	970	Trolley unit & rope	1,32	1,10	0,62	580
Jib 07	5,16	1,45	1,52	400	Trolley	1,82	1,73	1,03	360
Jib 08	5,15	1,45	1,52	340	Turn table+slew.unit	2,96	2,82	1,62	6100
Jib 09	5,13	1,45	1,51	320	Cabin & controlhous.	5,00	2,10	2,10	1500
Jib 10	5,10	1,45	1,50	295	Jib end	0,60	1,57	1,24	113