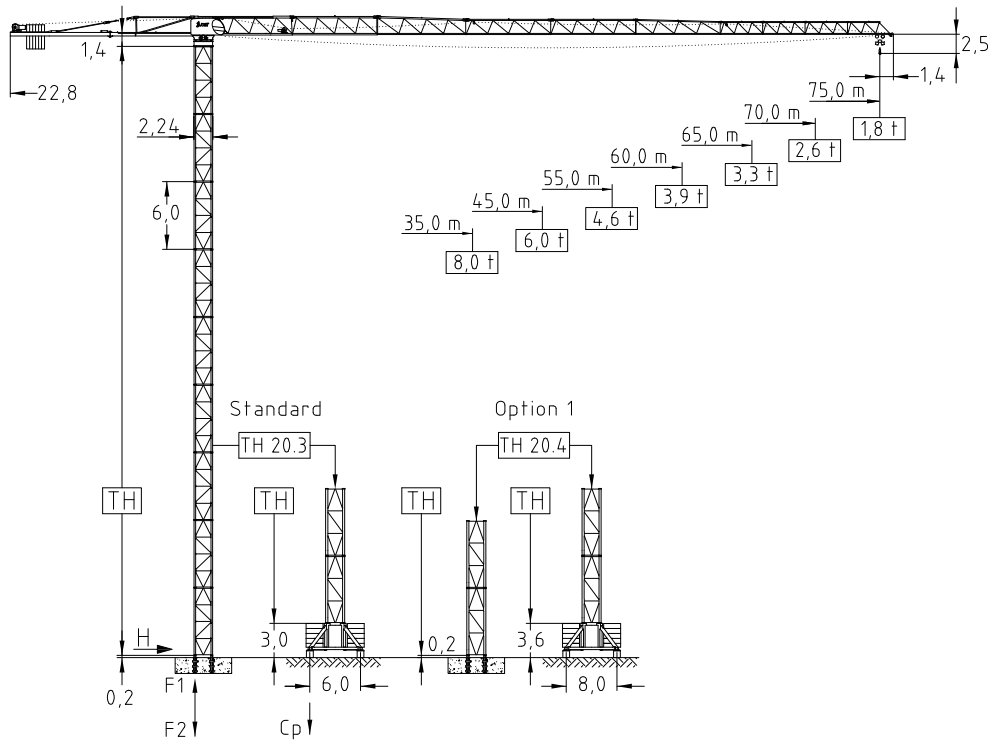


# JT 252.12 12,0 ton

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
35,0-45,0	TH 20.3	UC 6,0-20.3	TH 20.4	UC 8,0-20.4
55,0-60,0-65,0	63,0	54,0	72,0	63,0
70,0-75,0	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	30	35	40	45	50	55	60	65	70	75
75,0	6,0	28,7	5,69	4,75	4,05	3,51	3,08	2,73	2,44	2,19	1,98	1,80
	12,0	15,9	5,67	4,68	3,95	3,39	2,94	2,57	2,27	2,01	1,79	1,60
70,0	6,0	34,8	6,00	5,96	5,11	4,45	3,93	3,51	3,15	2,85	2,60	
	12,0	18,7	6,98	5,82	4,95	4,29	3,76	3,32	2,96	2,66	2,40	
65,0	6,0	38,9	6,00	6,00	5,81	5,08	4,50	4,02	3,63	3,30		
	12,0	20,6	7,83	6,56	5,61	4,88	4,30	3,83	3,43	3,10		
60,0	6,0	41,4	6,00	6,00	6,00	5,42	4,81	4,31	3,90			
	12,0	21,5	8,28	6,95	5,97	5,21	4,60	4,11	3,70			
55,0	6,0	43,5	6,00	6,00	6,00	5,77	5,13	4,60				
	12,0	22,7	8,81	7,41	6,37	5,56	4,92	4,40				
45,0	6,0	45,0	6,00	6,00	6,00							
	12,0	23,6	9,17	7,72	6,64	5,80						
35,0	6,0	35,0	6,00	6,00								
	12,0	24,3	9,50	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
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
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	5,0 kW FI	3 x 4,4 kW	4 x 5,0 kW
t/v	0,0-80,0 m/min	0,67 rpm	25,0 m/min
Power requirement Upper part		Hoist 37,0 kW	80,0 kVA
		Hoist 55,0 kW	105,0 kVA

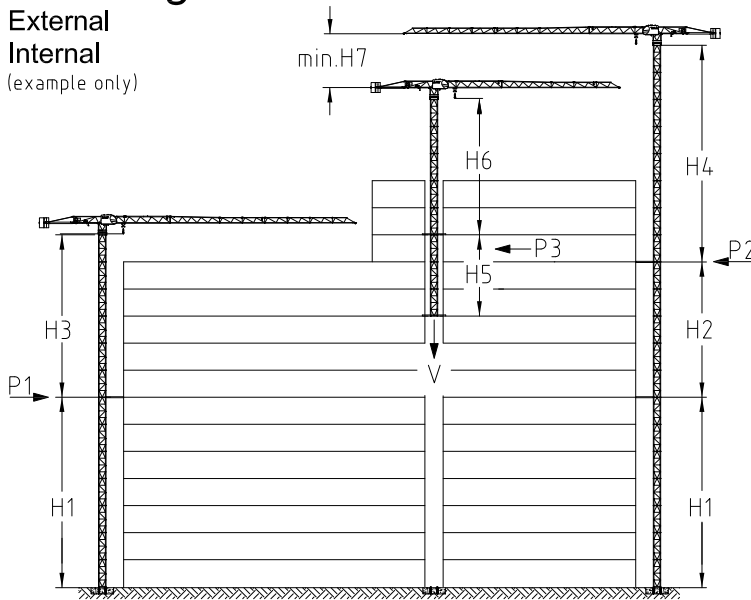
Shipping		
	Truck	Cont.
Top crane	5	6
Tower	2 unit	1
Climbing	1	1
Chasis	1	1

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 <sup>2</sup>
Hoist	14,0	1960
Trolley	10,0	1770

# Climbing

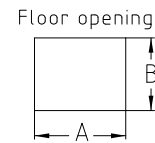
External  
Internal  
(example only)



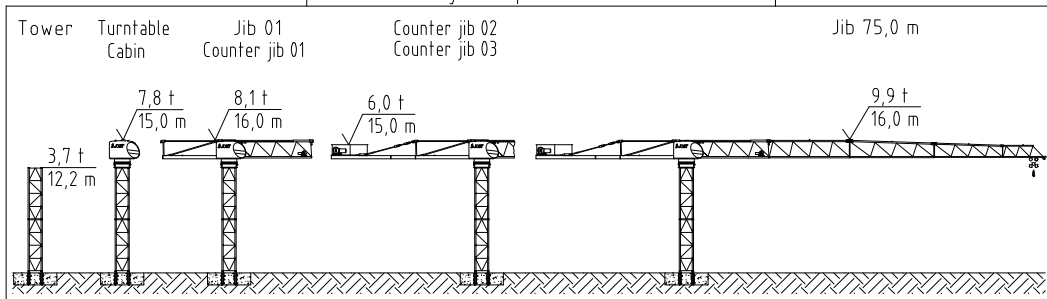
	m	in service	out of service
		t	t
H1	57,0		
H2	42,0		
H3	48,0		
H4	48,0		
H5	14,0		
H6	26,0		
H7	6,0		
A	2,90		
B	2,40		
P1		119,0	317,4
P2		123,8	276,3
P3		240,3	298,2
V		851,8	702,1

All data with TH 20.3

Jib length 35,0 m



## Assembly sequence TH 20.3



## Crane on foundation plate

Jib length (m)	Tower height (m)	No. of Towers	Tower TH 20.3			Foundation loadings		Corner forces	
			M	V	H	F1	F2		
			(kNm)	(kN)	(kN)	(kN)	(kN)		
75-70	57,0	9,5	7143,0	941,0	183,6	1978,0	- 2448,0		
65-60-55	60,0	10,0	8250,0	954,7	196,3	2135,0	- 2612,0		
45-35	63,0	10,5	8807,0	941,0	200,3	2236,0	- 2706,0		

## Crane on chassis

Jib length (m)	Tower height incl. chassis (m)	No. of Towers	Tower TH 20.3 / 6,0 m		in service		out of service		Ballast (t)
			Cp	H	Cp	H			
			(kN)	(kN)	(kN)	(kN)			
75-70	48,0	8,0	948,0	49,8	1121,0	201,2	95,0		
65-60-55	51,0	8,5	1050,0	50,6	1213,0	207,6	115,0		
45-35	51,0	8,5	1063,0	50,3	1122,0	204,3	120,0		

## 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 11	5,39	1,45	2,26	1425	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