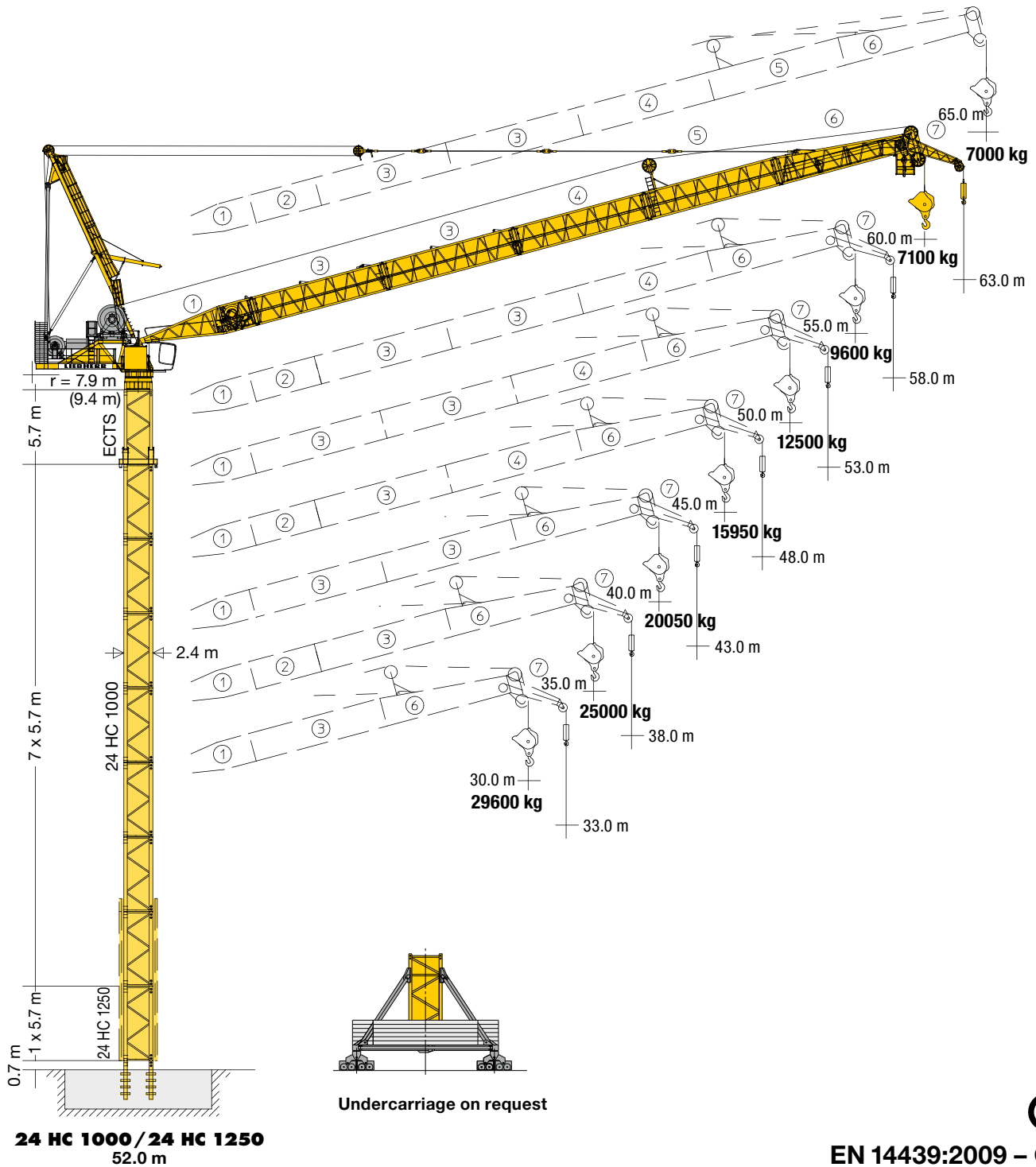


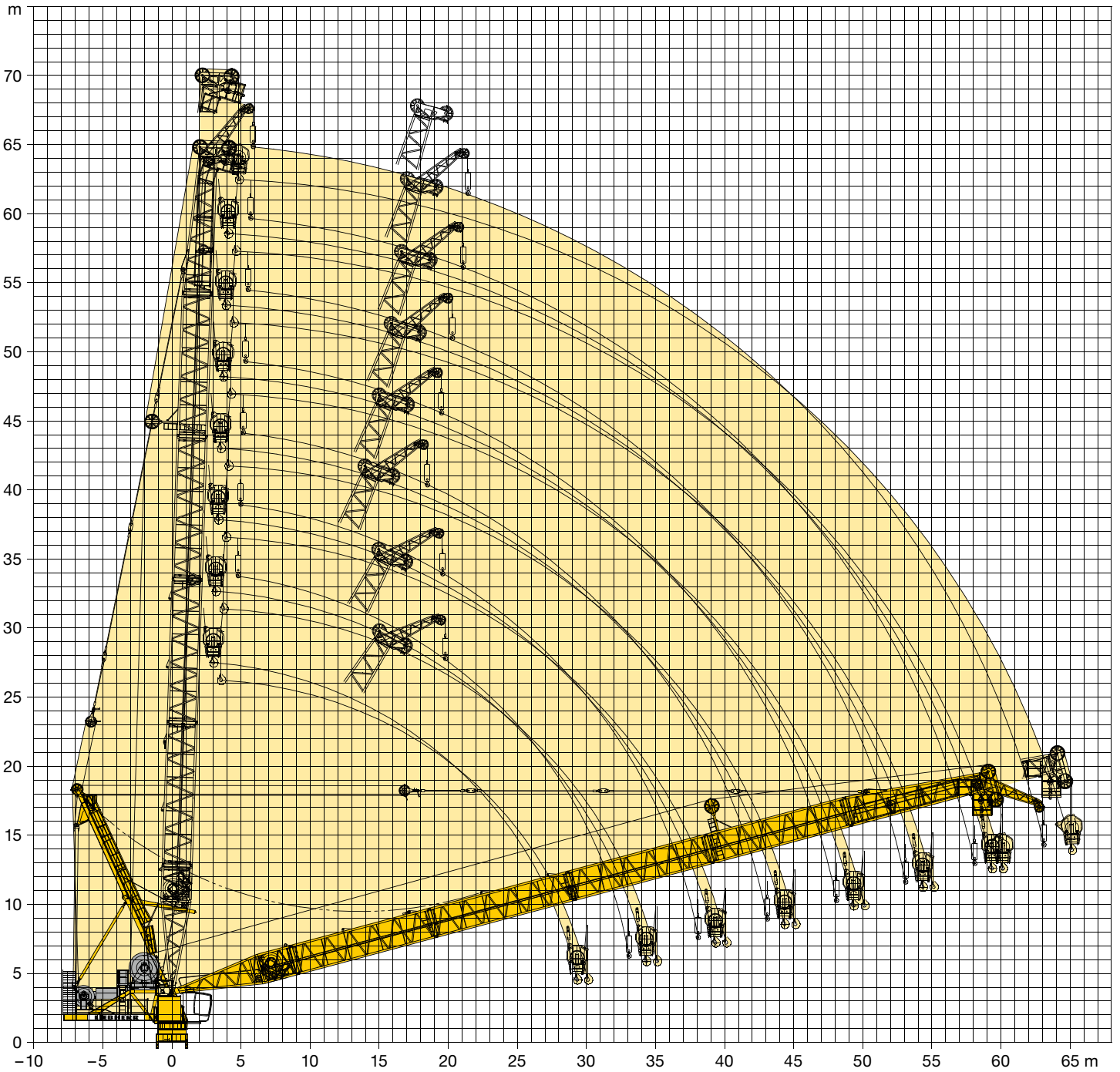
Tower Crane 710 HC-L 32/64 Litronic® Fly-Jib



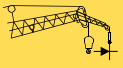
EN 14439:2009 – C25

LIEBHERR

Radius and hoisting height



Minimum radius out of operation

Jib (m)	Out-of-operation position (α°)			
	α	\downarrow (m)	\downarrow Q (m)	
65	75°	19.6	-	-
60	74°	19.3	18.8	21.2
55	73°	18.8	18.1	20.7
50	72°	18.1	17.4	20.1
45	71°	17.2	16.6	19.3
40	70°	16.2	15.5	18.3
35	65°	17.2	16.5	19.5
30	60°	17.3	16.5	19.7



Radius and capacity

m		m/kg		Main hook only								
				With Fly-Jib – Out of operation. Fly-Jib hook in upper position. (P = Parking position)								
				20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0
60.0		4.6 – 24.4 32000		32000	31010	24350	19550	15920	13060	10730	8800	7100
		4.1 – 16.2 48000		37010	27630	21310	16740	13260	10510	8270	6410	59.3 m 5000
55.0		4.5 – 26.0 32000		32000	32000	26470	21300	17390	14290	11770	9600	
		3.9 – 15.5 54000		39670	29790	23130	18310	14640	11730	9360	54.3 m 7600	
50.0		4.3 – 27.5 32000		32000	32000	28480	22910	18680	15330	12500		
		3.7 – 15.0 60000		42500	32000	24920	19790	15880	12770	49.3 m 10500		
45.0		4.1 – 28.9 32000		32000	32000	30390	24330	19710	15950			
		3.6 – 14.7 64000		44410	33540	26200	20880	16800	44.3 m 13900			
40.0		3.9 – 29.9 32000		32000	32000	31840	25250	20050				
		3.4 – 15.2 64000		46250	34980	27380	21820	39.3 m 18000				
35.0		3.7 – 31.2 32000		32000	32000	32000	25000					
		3.2 – 15.6 64000		47450	35670	27670	34.3 m 22400					
30.0		3.6 – 28.8 32000		32000	32000	29600						
		3.0 – 15.7 64000		47220	34850	29.3 m 27200						

m		m/kg		Fly-Jib only								
				With Fly-Jib – In operation. Main hook in upper position. (P = Parking position)								
				28.0	33.0	38.0	43.0	48.0	53.0	58.0	63.0	
60.0	63.1	Fly-Jib	5.9 – 46.2 13100	13100	13100	13100	13100	12240	10190	8490	7000	
	60.0		-	-	-	-	-	-	-	-	-	
55.0	58.1	Fly-Jib	5.8 – 48.3 13100	13100	13100	13100	13100	13100	11080	9200		
	55.0		-	-	-	-	-	-	-	-		
50.0	53.1	Fly-Jib	5.6 – 49.8 13100	13100	13100	13100	13100	13100	11600			
	50.0		-	-	-	-	-	-	-			
45.0 - 30.0	48.1 – 33.0	Fly-Jib	4.9 – 48.1 13100	13100	13100	13100	13100	13100				
	45.0 – 30.0		-	-	-	-	-	-				
60.0	63.1	Fly-Jib	5.9 – 42.4 13100	13100	13100	13100	12780	10450	8590	7050	5700	
	59.3		-	-	-	-	-	-	-	-	-	
55.0	58.1	Fly-Jib	5.8 – 44.6 13100	13100	13100	13100	13100	11520	9580	7900		
	54.3		-	-	-	-	-	-	-	-		
50.0	53.1	Fly-Jib	5.6 – 46.9 13100	13100	13100	13100	13100	12600	10500			
	49.3		-	-	-	-	-	-	-			
45.0 - 30.0	48.1 – 33.0	Fly-Jib	4.9 – 48.1 13100	13100	13100	13100	13100	13100				
	44.3 – 29.3		-	-	-	-	-	-				



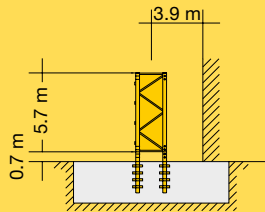
Radius and capacity

						Main hook and Fly-Jib Function: „Turning“								
						 $X + Y = Z$		 With Fly-Jib – In operation. Main hook with Fly-Jib-Hook Load X and Load Y = Total load Z					 $X + Y = Z$	
						m/kg								
m	m	kg	m	kg			33.0	38.0	43.0	48.0	53.0	58.0	63.0	
60.0	63.1	Fly-Jib	- 45.0	13100	Y	Z	19700	17490	14190	11640	9590	7890	6400	
	60.0		- 35.3	19700	X									
55.0	58.1	Fly-Jib	- 47.3	13100	Y	Z	19700	19110	15550	12780	10540	8600		
	55.0		- 37.3	19700	X									
50.0	53.1	Fly-Jib	- 49.2	13100	Y	Z	19700	19700	16920	13770	11150			
	50.0		- 39.4	19700	X									
45.0	48.1	Fly-Jib	- 48.1	13100	Y	Z	19700	19700	16970	13550				
	45.0		- 39.6	19700	X									
40.0	43.1	Fly-Jib	- 43.1	13100	Y	Z	19700	19700	16650					
	40.0		- 39.7	19700	X									
35.0	38.0	Fly-Jib	- 38.0	13100	Y	Z	19700	19700						
	35.0		- 38.0	19700	X									
30.0	33.0	Fly-Jib	- 33.0	13100	Y	Z	19700							
	30.0		- 33.0	19700	X									
						m/kg								
m	m	kg	m	kg			33.0	38.0	43.0	48.0	53.0	58.0	63.0	
60.0	63.1	Fly-Jib	- 40.6	13100	Y	Z	19000	14850	11740	9330	7400	5810	4400	
	60.0		- 32.3	19700	X									
55.0	58.1	Fly-Jib	- 43.0	13100	Y	Z	19700	16440	13110	10510	8420	6600		
	55.0		- 34.2	19700	X									
50.0	53.1	Fly-Jib	- 45.5	13100	Y	Z	19700	18290	14620	11750	9300			
	50.0		- 36.4	19700	X									
45.0	48.1	Fly-Jib	- 46.6	13100	Y	Z	19700	19250	15400	12250				
	45.0		- 37.5	19700	X									
40.0	43.1	Fly-Jib	- 43.1	13100	Y	Z	19700	19500	15150					
	40.0		- 37.8	19700	X									
35.0	38.0	Fly-Jib	- 38.0	13100	Y	Z	19700	19200						
	35.0		- 37.6	19700	X									
30.0	33.0	Fly-Jib	- 33.0	13100	Y	Z	19700							
	30.0		- 33.0	19700	X									



Tower heights

5,70 m + 2,85 m		24 HC 1000 / 24 HC 1250						
ECTS ⁶⁾		Jib Fly-Jib Built-on						
		30.0 m	35.0 m	40.0 m	45.0 m	50.0 m	55.0 m	60.0 m
11	11 + 1	71.9 ¹⁾³⁾	—	—	—	—	—	—
	10 + 1	69.1 ¹⁾²⁾	69.1 ¹⁾⁴⁾	—	—	—	—	—
10	9 + 1	66.2 ¹⁾¹⁾	66.2 ¹⁾³⁾	66.2 ¹⁾²⁾⁵⁾	—	—	—	—
	8 + 1	63.4 ¹⁾¹⁾	63.4 ¹⁾²⁾	63.4 ¹⁾²⁾	63.4 ¹⁾²⁾	—	—	—
9	7 + 1	60.5 ¹⁾	60.5 ¹⁾¹⁾	60.5 ¹⁾¹⁾	60.5 ¹⁾¹⁾⁵⁾	60.5 ¹⁾¹⁾⁵⁾	—	—
	6 + 1	57.7	57.7 ¹⁾	57.7 ¹⁾	57.7 ¹⁾¹⁾	57.7 ¹⁾¹⁾	57.7 ¹⁾²⁾	—
8	5 + 1	54.8	54.8	54.8	54.8 ¹⁾	54.8 ¹⁾	54.8 ¹⁾¹⁾	—
	4 + 1	52.0	52.0	52.0	52.0	52.0 ¹⁾	52.0 ¹⁾	52.0 ¹⁾¹⁾
7	3 + 1	49.1	49.1	49.1	49.1	49.1	49.1 ¹⁾	49.1 ¹⁾⁵⁾
	2 + 1	46.3	46.3	46.3	46.3	46.3	46.3	46.3 ¹⁾
6	1 + 1	43.4	43.4	43.4	43.4	43.4	43.4	43.4
	0 + 1	40.6	40.6	40.6	40.6	40.6	40.6	40.6
5		37.7	37.7	37.7	37.7	37.7	37.7	37.7
		34.9	34.9	34.9	34.9	34.9	34.9	34.9
4		32.0	32.0	32.0	32.0	32.0	32.0	32.0
		29.2	29.2	29.2	29.2	29.2	29.2	29.2
3		26.3	26.3	26.3	26.3	26.3	26.3	26.3
		23.5	23.5	23.5	23.5	23.5	23.5	23.5
2		20.6	20.6	20.6	20.6	20.6	20.6	20.6
		17.8	17.8	17.8	17.8	17.8	17.8	17.8
1		14.9	14.9	14.9	14.9	14.9	14.9	14.9
		12.1	12.1	12.1	12.1	12.1	12.1	12.1
0		9.2	9.2	9.2	9.2	9.2	9.2	9.2
		6.4	6.4	6.4	6.4	6.4	6.4	6.4



24 HC 1000 FA/24 HC 1250 FA

- Tower sections 24 HC 1250 must be installed on the tower base. See operating manual for further details.**
- ¹⁾ 1 x 24 HC 1250 TS-0570c (5.7 m)
 - ²⁾ 2 x 24 HC 1250 TS-0570c (5.7 m)
 - ³⁾ 3 x 24 HC 1250 TS-0570c (5.7 m)
 - ⁴⁾ 4 x 24 HC 1250 TS-0570c (5.7 m)
 - ⁵⁾ 1 x 24 HC 1250 TS-0285c (2.85 m)
 - ⁶⁾ 24 HC 1000 ECTS-0570



Climbing in the building

n		24 HC 1000					
		Jib					
5.70 m + 2.85 m		30.0 m	35.0 m	40.0 m	45.0 m/50.0 m	55.0 m	60.0 m
10	9 + 1	62.7	—	—	—	—	—
9	8 + 1	59.8	59.8	57.0	54.1	51.3	48.4
8	7 + 1	57.0	57.0	54.1	51.3	48.4	45.6
7	6 + 1	54.1	54.1	48.4	45.6	42.7	39.9
6	5 + 1	51.3	51.3	42.7	39.9	37.0	34.2
5	4 + 1	48.4	48.4	39.9	37.0	34.2	31.3
4	3 + 1	45.6	45.6	37.0	34.2	31.3	28.5
3	2 + 1	42.7	42.7	34.2	31.3	28.5	25.6
2	1 + 1	39.9	39.9	31.3	28.5	25.6	22.8
1	0 + 1	37.0	37.0	28.5	25.6	22.8	19.9
0		34.2	34.2	25.6	22.8	19.9	17.1
		31.3	31.3	22.8	19.9	17.1	14.2
		28.5	28.5	19.9	17.1	14.2	11.4
		25.6	25.6	17.1	14.2	11.4	8.5
		22.8	22.8	14.2	11.4	8.5	5.7
		19.9	19.9	11.4	8.5	5.7	
		17.1	17.1	8.5	5.7		
		14.2	14.2	5.7			
		11.4	11.4				
		8.5	8.5				
		5.7	5.7				

24 HC 1000 FA

Tower heights on foundation anchors: + 0.7 m
 Min. anchoring height may deviate at max. tower height resp. hook height > 100 m.
 See operating manual for further details.




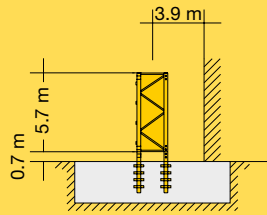
Radius and capacity

m		m/kg	Fly-Jib preparation									
			m/kg		20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0
65.0		4.8 – 23.8 32000	32000	30230	24320	19980	16650	13990	11810	9970	8410	7000
		4.6 – 25.8 32000	32000	32000	26730	21990	18350	15440	13050	11030	9250	
60.0		4.1 – 16.9 48000	39780	30600	24290	19630	16030	13150	10770	8770	59.3 m 7250	
		4.5 – 27.5 32000	32000	32000	28820	23740	19820	16690	14100	11850		
55.0		3.9 – 16.2 54000	42790	32990	26240	21260	17410	14320	11760	54.3 m 9850		
		4.3 – 29.1 32000	32000	32000	30830	25360	21140	17750	14850			
50.0		3.7 – 15.5 60000	45390	35040	27900	22640	18560	15270	49.3 m 12850			
		4.1 – 30.5 32000	32000	32000	32000	26760	22180	18400				
45.0		3.6 – 15.3 64000	47750	36860	29350	23790	19460	44.3 m 16350				
		3.9 – 31.6 32000	32000	32000	32000	27790	22600					
40.0		3.4 – 15.8 64000	49440	38170	30380	24590	39.3 m 20550					
		3.7 – 32.5 32000	32000	32000	32000	27600						
35.0		3.2 – 16.3 64000	50850	38940	30660	34.3 m 25100						
		3.6 – 29.7 32000	32000	32000	31750							
30.0		3.0 – 16.3 64000	50370	37950	29.3 m 30100							




Tower heights

5,70 m + 2,85 m		24 HC 1000 / 24 HC 1250							
 ECTS ⁶⁾		Jib for Fly-Jib prepared							
		30.0 m	35.0 m	40.0 m	45.0 m	50.0 m	55.0 m	60.0 m	65.0 m
12		74.8 ¹⁾³⁾	—	—	—	—	—	—	—
	11 + 1	71.9 ¹⁾²⁾⁴⁾	71.9 ¹⁾³⁾⁴⁾	—	—	—	—	—	—
11		69.1 ¹⁾²⁾	69.1 ¹⁾³⁾	69.1 ¹⁾³⁾	—	—	—	—	—
	10 + 1	66.2 ¹⁾¹⁾⁴⁾	66.2 ¹⁾²⁾	66.2 ¹⁾²⁾⁴⁾	66.2 ¹⁾²⁾⁴⁾	—	—	—	—
10		63.4 ¹⁾	63.4 ¹⁾¹⁾	63.4 ¹⁾²⁾	63.4 ¹⁾²⁾	63.4 ¹⁾²⁾	—	—	—
	9 + 1	60.5	60.5 ¹⁾	60.5 ¹⁾⁴⁾	60.5 ¹⁾¹⁾⁴⁾	60.5 ¹⁾¹⁾	60.5 ¹⁾²⁾	—	—
9		57.7	57.7	57.7 ¹⁾	57.7 ¹⁾	57.7 ¹⁾¹⁾	57.7 ¹⁾¹⁾	—	—
	8 + 1	54.8	54.8	54.8	54.8 ¹⁾	54.8 ¹⁾	54.8 ¹⁾⁴⁾	54.8 ¹⁾¹⁾	—
8		52.0	52.0	52.0	52.0	52.0	52.0 ¹⁾	52.0 ¹⁾¹⁾	52.0 ¹⁾¹⁾
	7 + 1	49.1	49.1	49.1	49.1	49.1	49.1	49.1 ¹⁾	49.1 ¹⁾⁴⁾
7		46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3 ¹⁾
	6 + 1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
6		40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
	5 + 1	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
5		34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
	4 + 1	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
4		29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
	3 + 1	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
3		23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
	2 + 1	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
2		17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
	1 + 1	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
1		12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
	0 + 1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
0		6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4



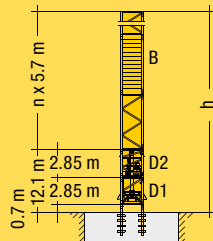
24 HC 1000 FA/24 HC 1250 FA

-  Tower sections 24 HC 1250 must be installed on the tower base. See operating manual for further details.
- ¹⁾ 1 x 24 HC 1250 TS-0570c (5.7 m)
 - ²⁾ 2 x 24 HC 1250 TS-0570c (5.7 m)
 - ³⁾ 3 x 24 HC 1250 TS-0570c (5.7 m)
 - ⁴⁾ 4 x 24 HC 1250 TS-0570c (5.7 m)
 - ⁶⁾ 24 HC 1000 ECTS-0570

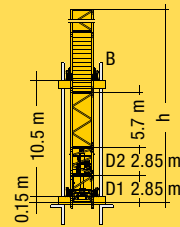
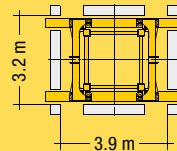


Climbing in the building

n		24 HC 1000						
		Jib						
5.70 m + 2.85 m		30.0 m	35.0 m	40.0 m	45.0 m/50.0 m	55.0 m	60.0 m	65.0 m
10	10 + 1	65.5	—	—	—	—	—	—
	9 + 1	62.7	62.7	—	—	—	—	—
9	9 + 1	59.8	59.8	59.8	—	—	—	—
	8 + 1	57.0	57.0	57.0	57.0	—	—	—
8	8 + 1	54.1	54.1	54.1	54.1	54.1	—	—
	7 + 1	51.3	51.3	51.3	51.3	51.3	51.3	—
7	7 + 1	48.4	48.4	48.4	48.4	48.4	48.4	48.4
	6 + 1	45.6	45.6	45.6	45.6	45.6	45.6	45.6
6	6 + 1	42.7	42.7	42.7	42.7	42.7	42.7	42.7
	5 + 1	39.9	39.9	39.9	39.9	39.9	39.9	39.9
5	5 + 1	37.0	37.0	37.0	37.0	37.0	37.0	37.0
	4 + 1	34.2	34.2	34.2	34.2	34.2	34.2	34.2
4	4 + 1	31.3	31.3	31.3	31.3	31.3	31.3	31.3
	3 + 1	28.5	28.5	28.5	28.5	28.5	28.5	28.5
3	3 + 1	25.6	25.6	25.6	25.6	25.6	25.6	25.6
	2 + 1	22.8	22.8	22.8	22.8	22.8	22.8	22.8
2	2 + 1	19.9	19.9	19.9	19.9	19.9	19.9	19.9
	1 + 1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
1	1 + 1	14.2	14.2	14.2	14.2	14.2	14.2	14.2
	0 + 1	11.4	11.4	11.4	11.4	11.4	11.4	11.4
0	0 + 1	8.5	8.5	8.5	8.5	8.5	8.5	8.5
		5.7	5.7	5.7	5.7	5.7	5.7	5.7



24 HC 1000 FA



Tower heights on foundation anchors: + 0.7 m
 Min. anchoring height may deviate at max. tower height resp. hook height > 100 m.
 See operating manual for further details.

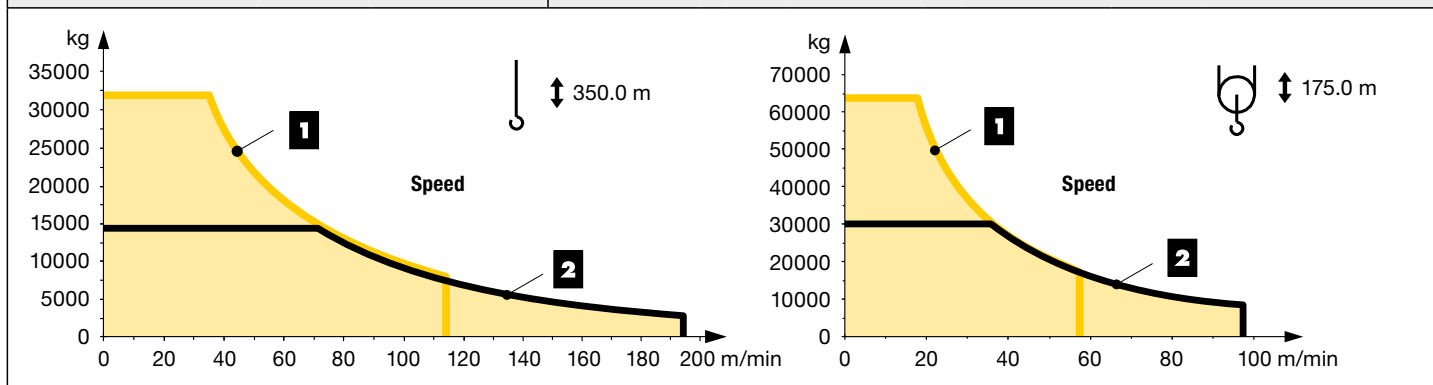
	0 ↔ 0.6 U/min	2 x 11 kW FU
	1.4 ↔ 2.0 min	160 kW FU
	Undercarriage on request	

		2 x 110 kW FU
		110 kW FU Fly-Jib
kVA		160 kW FU
		379

kVA can be reduced in case of too little power of the mains, see instruction manual.

Fly-Jib		↔ stepless		
	max. 512 m	kg	m/min	
	110 kW FU [SD.shift] WIW 300 WZ 405	4 Layers	1	13100 0 ↔ 41 3400 0 ↔ 134
			2	6200 0 ↔ 83 1400 0 ↔ 227






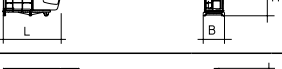


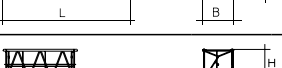




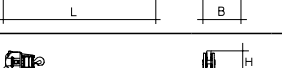
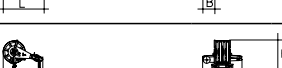
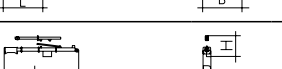
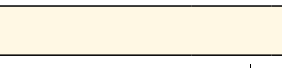
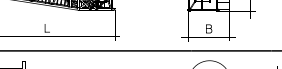




		↔ stepless					
	max. 1067 m	kg	m/min		kg	m/min	
	2 x 110 kW FU [SD.shift] WIW 330 WZ 402	4 Layers	1	32000 0 ↔ 35 7800 0 ↔ 114	1	64000 0 ↔ 18 17300 0 ↔ 57	
			2	14500 0 ↔ 71 2800 0 ↔ 194	2	30000 0 ↔ 36 8700 0 ↔ 97	







Packing List

Erection weights: see instruction manual.

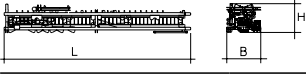


Upper part of crane				L (m)	W (m)	H (m)	kg ⁷⁾
Item	Qty.						
1	1	Slewing ring support		2.32	2.32	1.26	4610
2	1	Frame		2.81	2.28	2.39	3870
3	1	Slewing platform with roller slewing ring and slewing ring support		3.33	2.32	2.58	14230

Item.	Qty.			L (m)	W (m)	H (m)	kg ⁷⁾
4	1	Slewing platform with roller slewing ring and slewing ring support and frame		4.73	2.58	2.41	17950
5	1	Machinery platform with luffing gear	160 kW 	7.27	2.32	2.57	16600
5.1	1	Machinery platform without luffing gear		7.27	2.32	2.57	10930
6	1	Hoist gear platform with hoist gear	2 x 110 kW 	4.74	2.29	2.57	12160
6.1	1	Hoist gear platform without hoist gear		4.74	2.29	1.38	2910
7	1	Operator's cab with platform		4.25	1.55	2.57	1245
8	2	Side platform		5.50	1.20	1.59	420
9	1	Jib retaining frame		12.10	2.27	2.40	10100
10	1	Jib heel section "prepared"		9.43	2.27	2.40	① 4320
11	1	Intermediate jib section (5.18)		5.39	2.27	2.19	② 1410
12	2	Intermediate jib section (10.36)		10.57	2.27	2.40	③ 2980
13	1	Intermediate jib section (10.36)		10.57	2.27	2.19	④ 2330
14	1	Intermediate jib section (10.36)		10.57	2.27	2.19	⑤ 2390
15	1	Jib head section prepared for Fly-Jib		11.29	2.77	2.53	⑥ 4460
16	1	Hook block		3.00	1.56	0.87	2580
17	1	Pulley block		1.45	1.43	1.14	760
18	1	Auxiliary crane with supports		4.40	0.90	0.60	700
Fly-Jib							
19	1	Jib heel section with Fly-Jib drive and platform		9.43	4.00	2.40	① 8500
20	1	Fly-Jib drive unit		2.70	1.55	1.55	4240
21	1	Fly-Jib		8.20	0.70	1.00	⑦ 360
22	1	Control panel Fly-Jib with platform		2.20	1.48	2.34	950
23	1	Hook block		1.65	0.40	0.50	850





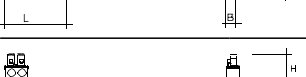
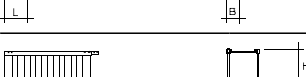

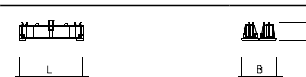

Tower

Item	Qty.			L (m)	W (m)	H (m)	kg ⁷⁾
24	1	Tower section 24 HC 1250		5.70 m: 6.28 2.85 m: 3.43	2.44 2.44	2.44 2.44	9000 5650
25	1	Tower section 24 HC 1000		5.70 m: 6.28 2.85 m: 3.43	2.43 2.43	2.43 2.43	8600 5450
26	1	Climbing tower section 24 HC 1000		6.28	2.43	2.61	13790
27	1	Climbing tower section 2 girders		3.04	1.83	1.41	4000

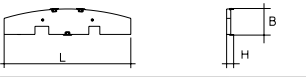
Climbing on the building

28	1	Guide section		13.54	2.47	2.09	22650
29	1	External frame		13.54	2.47	2.09	22650
30	1	Hydraulic unit and climbing equipment		4.50	1.30	2.00	3700

Climbing in the building

31	1	Climbing tower section D1 + D2 with hydraulic unit		6.36	2.46	2.48	18670
32	1	Climbing tower section D1		4.00	2.43	2.43	7730
33	1	Climbing tower section D2		2.93	2.41	2.41	6630
34	1	Climbing cross-member		2.42	0.50	0.78	1450
35	1	Climbing ram		2.97	0.42	0.65	1640
36	1	Hydraulic climbing unit		1.52	0.70	1.80	1220
37	1	Tie-in tower section (B-section)		6.28	2.46	2.46	9300
38	1	Climbing ladder		5.89	0.42	0.10	580
39	1	Guide frame (2 pcs.)		9.08	1.65	1.23	4260

Ballast

40	19	Steel ballast		4.60	0.97	0.26	4075
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Small parts

41	1	Box with small parts					4800
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⁷⁾ Single weights

Subject to alterations!
This information is supplied without liability.

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