WILBERT TowerCranes GmbH
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WT 260 *e.tronic*

Trolley Crane
Technical Information

www.wilbert.de

member of ZOOMLION group

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WILBERT TowerCranes GmbH

Tower cranes from Germany

We are a German manufacturer for top-slewing tower cranes with extensive experience in construction and rental services. Our focus is on complex construction projects, especially in the structural engineering and power plant sectors.

All trolley and luffing jib cranes in our product range are part of a sophisticated modular system that can easily be supplemented by custom-made components. We are happy to assist you thoroughly and without red tape in the planning of your crane project.

We aim to provide you with the best possible crane for your project – flexible, strong and uniquely customisable to the building site conditions.

With cutting-edge manufacturing plants for steel construction, we are producing under the highest standards. Our premium powder coating gives WILBERT cranes exceptionally high resistance to corrosion and environmental influences.

Our service teams are fast, reliable, well equipped and always ready to help you. Whether online or on site – we'll never leave you hanging.

WT 260 e.*tronic*

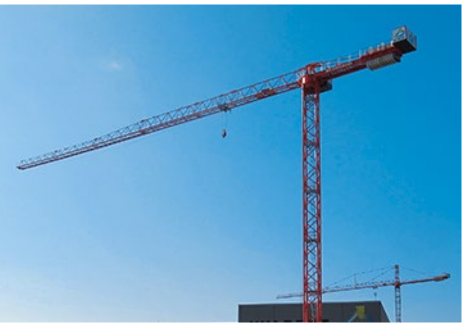
Key figures

BGL classification	C.0.10.0260
Max. radius	70 m
Load capacity at max. radius	2.7 t
Max. load capacity	12 t
Max. hook height freestanding	more than 130 m
Number of ropes	2
Hoist gear power	45 or 65 kW
Connected load	68 or 88 kVA

WT 260 *e.tronic*

The new WILBERT tower crane generation

The WT 260 *e.tronic* is the first trolley crane of our new crane generation with completely revised control and drive technology. With a maximum radius of 70.0 m and a maximum load capacity of 12.0 t this new model complements the existing product range perfectly.



The appeal of the new tower system lies not only in the elegant looks. It allows for much higher freestanding tower heights and by this reduces the number of necessary connections to the building remarkably. With our new special climbing frame you can climb 6.5 m additional tower height in a few minutes. Of course, it fits in seamlessly with our existing modular system.

The WT 260 *e.tronic* is well-designed and robust

- Optimised for transport and assembly
- Quick mounting: connections can be reached without mounting platforms
- Smooth changes in jib length to the already mounted tower crane

There's a perfect WT 260 *e.tronic* for your project

- Jib lengths in 2.5 m steps available
- Base elements configured to the area of operation
- Tower elements with a standard length of 6.5 m
- Intermediate lengths and specifically customised parts for all crane components

WILBERT cranes are easy on the budget

- Space-saving storage and modular transport units
- Quick and easy loading: only one lift per transport unit
- The new generation of cranes can be shipped entirely in containers

The new cab – an ideal workplace

- Attached to the side with a clear view through large windows
- Easy and wind-protected access to the cab
- Ergonomic operating components
- Display and touch panel with all operating data at a glance
- Thermal and acoustic insulation, as well as efficient heating and air conditioning

The new generation of controlls – simply intelligent

- Frequency-controlled drive systems
- Slewing gear regulation with torque reduction
- **WILBERT***loadplus* increases the load capacity
- 3D workspace boundary **WILBERT***zone* with hook load limitation
- Reducible connected load
- Operating data logging, remote data retrieval and remote diagnostics system

The WILBERT product philosophy

- Crane design and manufacturing in Germany
- Excellent availability of spare parts, due to standard components
- Sophisticated fault diagnosis system and remote maintenance
- Fast, reliable and well equipped service team
- In touch with the construction industry and their needs


WILBERT
WT 260 e.tronic

WT 260 *e.tronic*

Load table

2 ropes – 12 t; Load capacity [t]

Radius [m]		25.0	27.5	30.0	32.5	35.0	37.5	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5	60.0	62.5	65.0	67.5	70.0
70.0	2.7–20.8	9.72	8.76	7.93	7.22	6.62	6.10	5.64	5.24	4.88	4.56	4.27	4.01	3.77	3.55	3.35	3.17	3.00	2.85	**2.70**
67.5	2.7–21.5	10.17	9.14	8.28	7.54	6.92	6.38	5.90	5.48	5.11	4.78	4.48	4.21	3.96	3.73	3.53	3.34	3.16	**3.00**	
65.0	2.7–22.2	10.53	9.46	8.57	7.82	7.17	6.61	6.13	5.69	5.31	4.97	4.66	4.38	4.12	3.89	3.68	3.48	**3.30**		
62.5	2.7–22.8	10.83	9.73	8.82	8.05	7.39	6.81	6.31	5.87	5.47	5.12	4.81	4.52	4.26	4.02	3.80	**3.60**			
60.0	2.7–23.7	11.31	10.17	9.22	8.42	7.73	7.13	6.61	6.15	5.74	5.37	5.04	4.75	4.47	4.23	**4.00**				
57.5	2.7–24.4	11.71	10.53	9.55	8.72	8.01	7.40	6.86	6.38	5.96	5.58	5.24	4.94	4.66	**4.40**					
55.0	2.7–25.5	12.00	11.02	10.00	9.14	8.40	7.76	7.20	6.70	6.26	5.87	5.51	5.19	**4.90**						
52.5	2.7–25.9	12.00	11.23	10.19	9.31	8.56	7.91	7.34	6.83	6.39	5.99	5.63	**5.30**							
50.0	2.7–26.2	12.00	11.36	10.31	9.43	8.67	8.01	7.43	6.92	6.47	6.06	**5.70**								
47.5	2.7–26.7	12.00	11.60	10.53	9.62	8.85	8.18	7.59	7.07	6.61	**6.20**									
45.0	2.7–27.0	12.00	11.74	10.66	9.75	8.96	8.28	7.69	7.17	**6.70**										
42.5	2.7–27.4	12.00	11.95	10.85	9.92	9.13	8.44	7.83	**7.30**											
40.0	2.7–27.9	12.00	12.00	11.07	10.13	9.32	8.61	**8.00**												
37.5	2.7–29.0	12.00	12.00	11.56	10.57	9.73	**9.00**													
35.0	2.7–29.7	12.00	12.00	11.87	10.86	**10.00**														
32.5	2.7–30.0	12.00	12.00	12.00	**11.00**															
30.0	2.7–30.0	12.00	12.00	**12.00**																
27.5	2.7–27.5	12.00	**12.00**																	
25.0	2.7–25.0	**12.00**																		

with **WILBERT***loadplus*

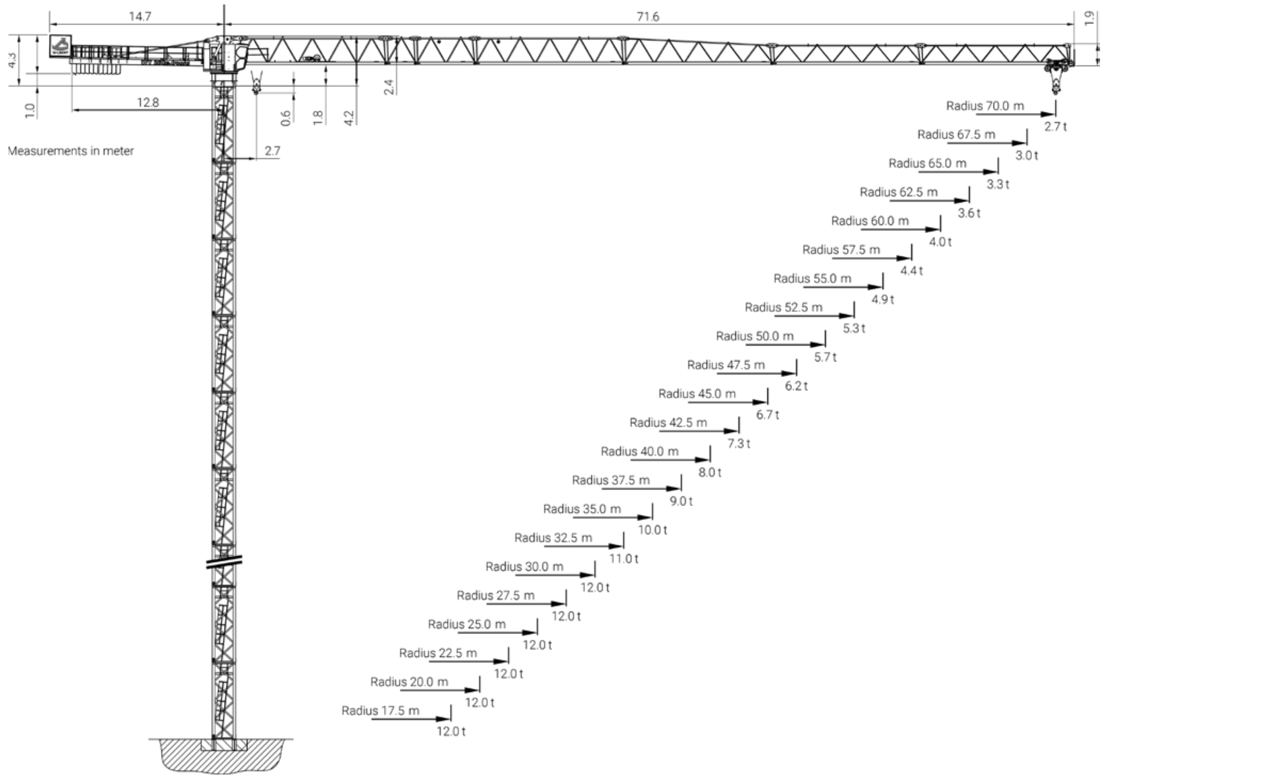
2 ropes – 12 t; Load capacity [t]

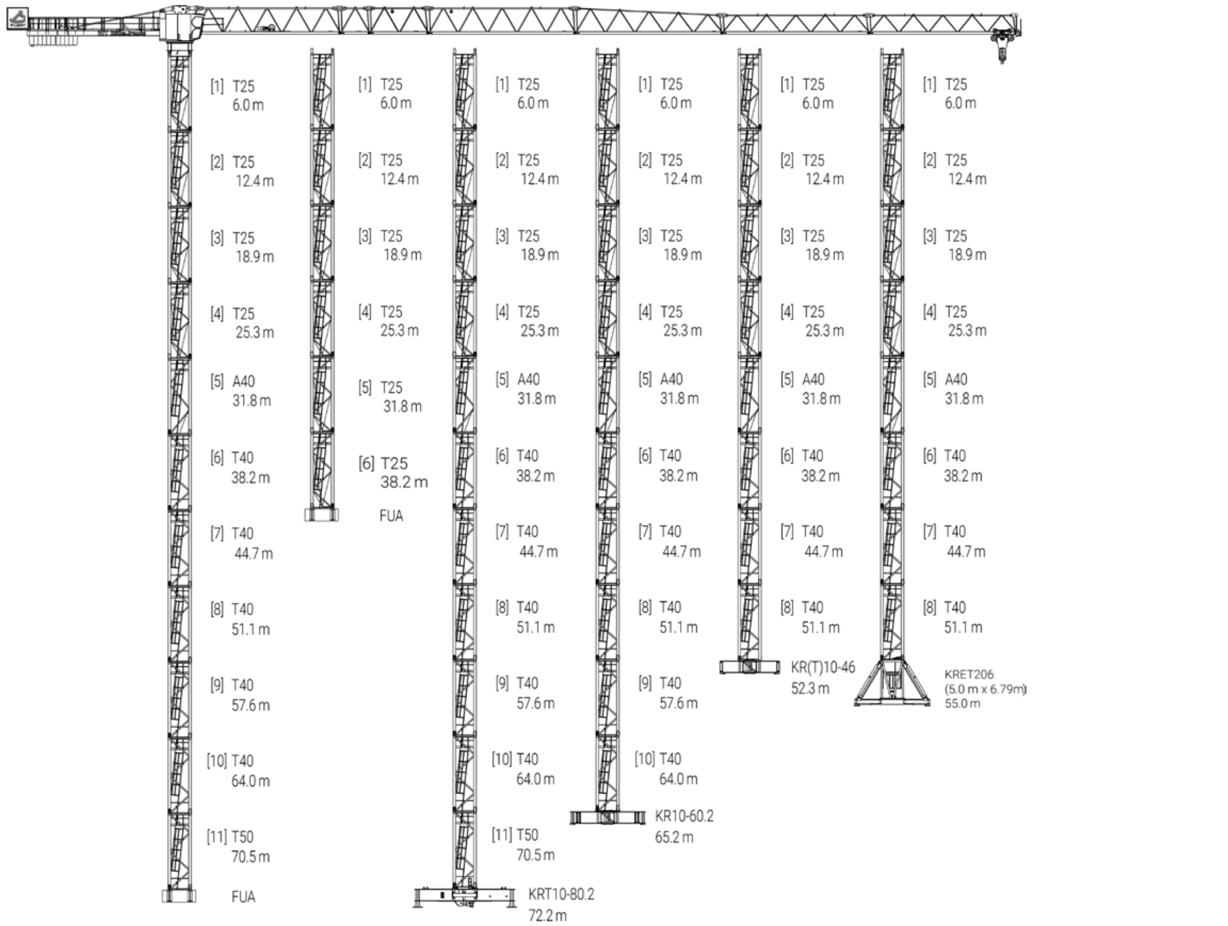
Radius [m]		25.0	27.5	30.0	32.5	35.0	37.5	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5	60.0	62.5	65.0	67.5	70.0
70.0	2.7–21.9	10.36	9.31	8.43	7.69	7.05	6.50	6.02	5.59	5.21	4.88	4.57	4.29	4.04	3.82	3.61	3.41	3.23	3.07	**2.92**
67.5	2.7–22.8	10.82	9.73	8.82	8.04	7.38	6.81	6.31	5.86	5.47	5.12	4.80	4.51	4.25	4.02	3.80	3.60	3.41	**3.24**	
65.0	2.7–23.5	11.22	10.09	9.15	8.35	7.66	7.07	6.55	6.10	5.69	5.33	5.00	4.70	4.43	4.19	3.96	3.76	**3.56**		
62.5	2.7–24.1	11.55	10.39	9.42	8.60	7.90	7.29	6.76	6.29	5.87	5.50	5.17	4.86	4.58	4.33	4.10	**3.89**			
60.0	2.7–25.1	12.00	10.87	9.86	9.01	8.28	7.64	7.09	6.60	6.17	5.78	5.43	5.11	4.82	4.56	**4.32**				
57.5	2.7–26.0	12.00	11.27	10.23	9.35	8.59	7.94	7.36	6.86	6.41	6.01	5.65	5.32	5.02	**4.75**					
55.0	2.7–27.1	12.00	11.80	10.72	9.80	9.01	8.33	7.73	7.21	6.74	6.32	5.94	5.60	**5.29**						
52.5	2.7–27.6	12.00	12.00	10.93	10.00	9.20	8.50	7.89	7.36	6.88	6.45	6.07	**5.72**							
50.0	2.7–27.9	12.00	12.00	11.07	10.13	9.32	8.61	8.00	7.46	6.98	6.54	**6.16**								
47.5	2.7–28.4	12.00	12.00	11.31	10.35	9.52	8.81	8.18	7.63	7.14	**6.70**									
45.0	2.7–28.8	12.00	12.00	11.46	10.49	9.65	8.93	8.29	7.73	**7.24**										
42.5	2.7–29.3	12.00	12.00	11.68	10.69	9.83	9.10	8.45	**7.88**											
40.0	2.7–29.8	12.00	12.00	11.93	10.92	10.05	9.30	**8.64**												
37.5	2.7–31.0	12.00	12.00	12.00	11.40	10.50	**9.72**													
35.0	2.7–31.8	12.00	12.00	12.00	11.72	**10.80**														
32.5	2.7–32.2	12.00	12.00	12.00	**11.88**															
30.0	2.7–30.0	12.00	12.00	**12.00**																
27.5	2.7–27.5	12.00	**12.00**																	
25.0	2.7–25.0	**12.00**																		

Loads refer to 40 m hook path. Longer paths reduce loads by the weight of the hoist rope (2 rope = 4.0 kg/m hook path).

WT 260 *e.tronic*

Jib and tower combinations



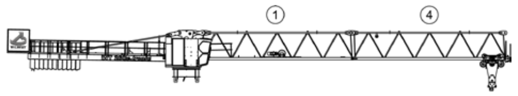


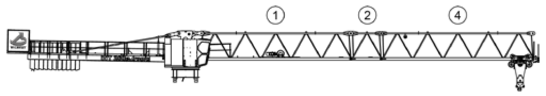
Combinations on foundation anchor FUA or cross frame element KRT 10-60 with 25–70 m radius. You can reach higher freestanding heights with the elements T100 and E33. Calculation for wind region C25. Different hook heights can be valid for certain jib lengths.

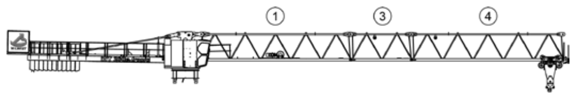
WT 260 *e.tronic*

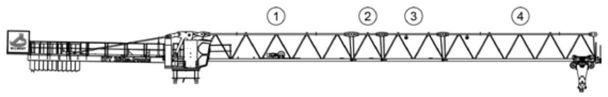
Jib combinations

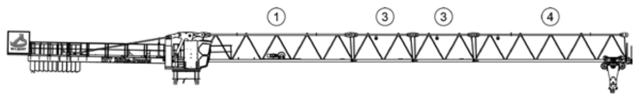
Jib lengths from 25.0 to 62.5 m

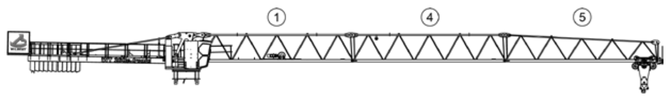
25,0 m


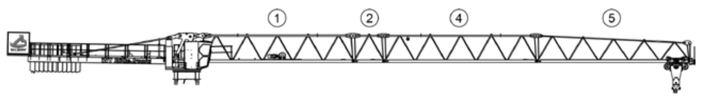
27,5 m


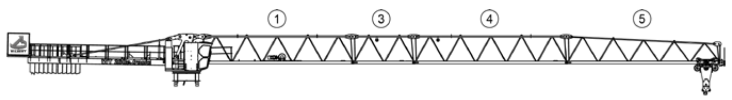
30,0 m


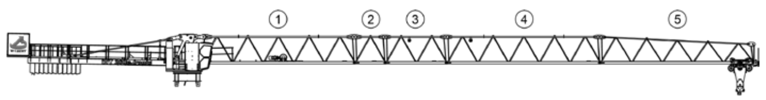
32,5 m


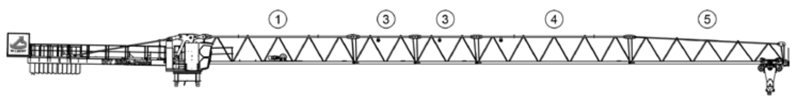
35,0 m


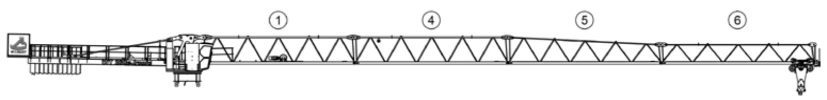
37,5 m


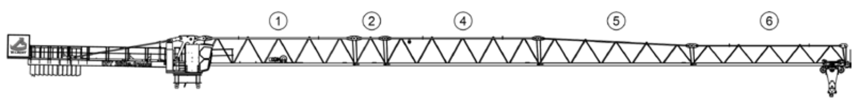
40,0 m


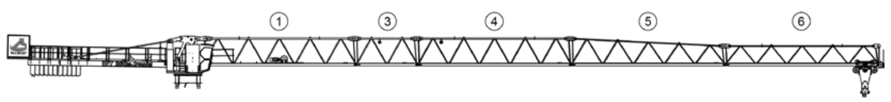
42,5 m


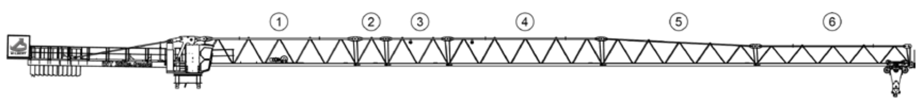
45,0 m


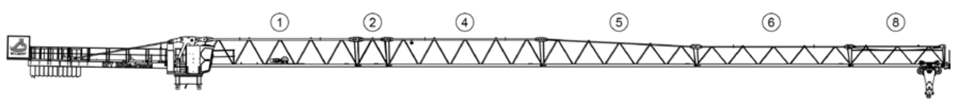
47,5 m


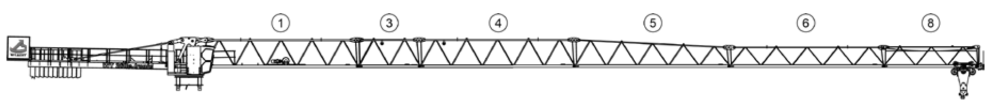
50,0 m


52,5 m


55,0 m


57,5 m


60,0 m


62,5 m


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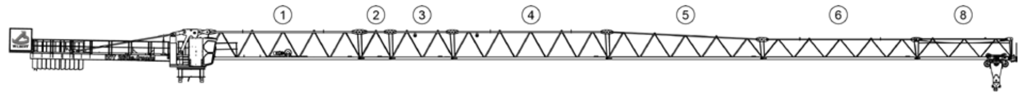
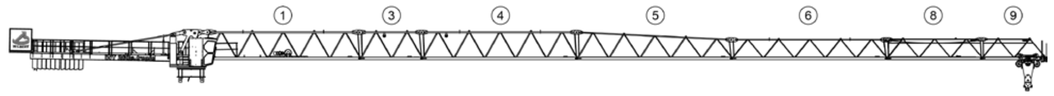
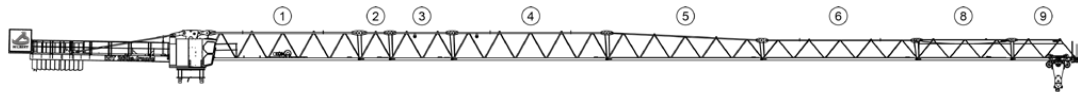
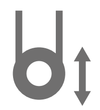
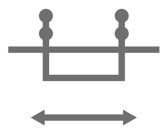
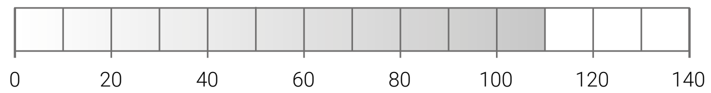
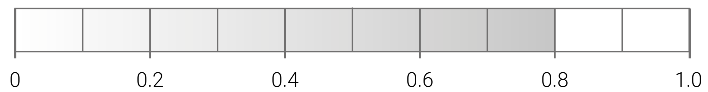
Jib combinations and work speeds

Jib lengths from 65.0 to 70.0 m

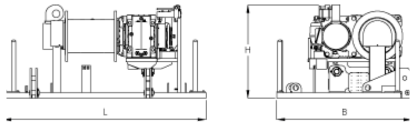
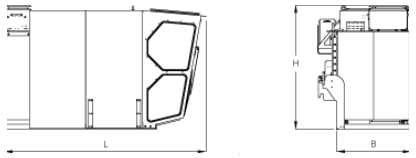
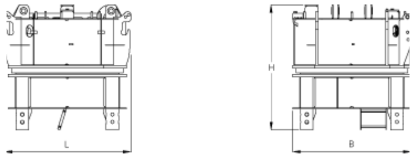
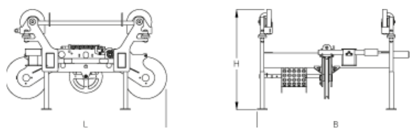
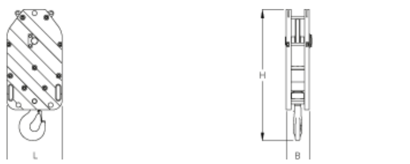
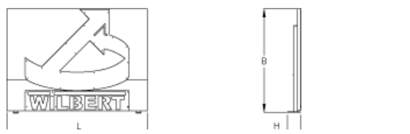
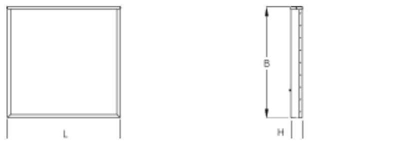
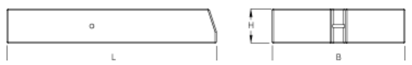
65,0 m


67,5 m


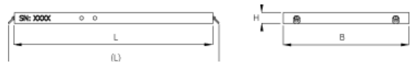
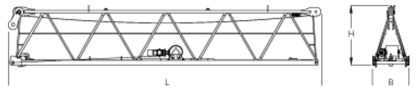
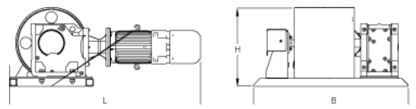
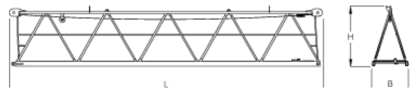
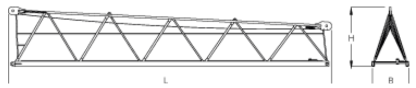
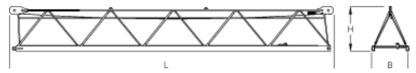
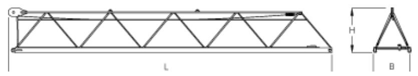
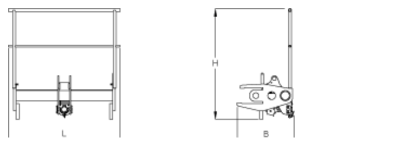
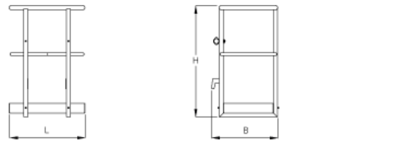
70,0 m


Gear type	Work speed in relation to load			Power
Hoist gear HFU 65-60	**Hoist**			65 kW
	Continuous acceleration			
		65 kW hoist gear [m/min]	**Hook path** max. [m] at 65 kW	
	2 rope	0 … 137 at 0.5 t 0 … 52 at 6 t 0 … 26 t 12 t	190	
Trolley gear TW	**Move trolley**			7.5 kW
	 Continuous acceleration up to 110 m per minute			
Slewing gear DW	**Slew**			2×7.5 kW
	 Work speed up to 0.8 rotations per minute			
Connected load	70 kVA			

WT 260 *e.tronic*
Loading list

Pos.	Qty.	Description	Package (not to scale)	Length [m]	Width [m]	Height [m]	Weight [kg]	Volume [m³]
1	1	Counter jib with stay rods		12.000	2.310	2.160	6,800	59.88
2	1	Machine platform with hoist gear and hoist rope		2.900	2.000	1.375	6,500	7.975
3	1	Cab platform with cab. incl. switch cabinet and brake resistor		3.910	1.795	2.430	1,980	17.01
4	1	Upper part of tower head section complete with stay rods (pin mounting)		1.920	0.750 (0.850)	2.015	2,060	2.90
5	1	Lower part of the tower head section complete with slewing frame		2.420	2.300	2.435	6,940	13.55
5.1	1	Slewing frame		2.420	2.300	1.477		8.22
5.2	1	Lower part of the tower head section		2.300	2.300	1.200		6.348
6	1	Trolley		1.970	1.880	1.225	575	4.54
7	1	Hook block		1.375	0.580	0.280	640	0.22
8	2	Counter jib stay rod		8.630	0.280	0.095	405	0.23
9	1	Advertising board counter jib		2.500	1.825	0.130	260	0.593
10	2	Advertising boards		1.810	1.810	0.190	220	0.622
11	4-11*)	Concrete counterweight		2.220	1.570	0.360	2,700	1.255

WT 260 *e.tronic*
Loading list

Pos.	Qty.	Description	Package (not to scale)	Length [m]	Width [m]	Height [m]	Weight [kg]	Volume [m³]
12	3	Steel counterweight		2.220 (2.360)	1.410	0.120	3,000	0.38
13	1	Jib section 1 with trolley gear and double connection		13.050	1.510	2.530	4,800	48.08
13.1	1	Double connection		0.975	0.418	0.250	225	0.100
13.2	1	Trolley gear fully mounted		1.502	1.216	0.650	570	1.140
14	0-1*)	Jib section 2		2.775	1.490	2.355	800	9.74
15	0-2*)	Jib section 3		5.365	1.490	2.355	1,340	18.32
16	0-1*)	Jib section 4		12.860	1.490	2.470	2,960	45.60
17	0-1*)	Jib section 5		12.875	1.490	2.355	2,000	45.18
18	0-1*)	Jib section 6		12.985	1.490	1.780	1,660	34.44
19	0-1*)	Jib section		12.780	1.490	1.780	1,450	33.90
20	0-1*)	Jib section 8		7.820	1.490	1.725	1,000	20.10
21	0-1*)	Jib section 9		5.240	1.490	1.725	650	13.47
22	1	Rope swivel crossbeam complete		1.450	0.800	1.741	215	2.02
23	1	Trolley cage		0.8	0.6	1.144	45	0.55

Loading list, number of sections* according to jib length

Notes

The trolley crane WT 260 e.tronic conforms to the CE Machinery Directive and meets the requirements of the DIN EN 14439 for tower cranes.
The contents of this technical information are subject to technical improvements and changes of the tower crane.