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WT 180 e.tronic

Trolley Crane
Technical Information



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Technical Information



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.

Load capacity and jib lengths

Our standard jib elements are 2.5 m, 5 m, 7.5 m and 12.5 m long and allow for flexible adjustments of the jib.

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
65.0 2.7-25.1	6.00	5.38	4.85	4.40	4.01	3.68	3.39	3.13	2.90	2.69	2.51	2.34	2.19	2.05	1.93	1.81	1.70 1.84*
60.0 2.7-30.0	6.00	6.00	6.00	5.46	5.00	4.60	4.25	3.94	3.67	3.42	3.20	3.00	2.82	2.65	2.50	2.70	
55.0 2.7-33.0	6.00	6.00	6.00	6.00	5.60	5.16	4.78	4.44	4.13	3.86	3.62	3.40	3.20	3.46			
50.0 2.7-35.0	6.00	6.00	6.00	6.00	6.00	5.53	5.13	4.76	4.44	4.16	3.90	4.21					
45.0 2.7-36.0	6.00	6.00	6.00	6.00	6.00	5.72	5.30	4.93	4.60	4.97							
40.0 2.7-37.1	6.00	6.00	6.00	6.00	6.00	5.93	5.50	5.94									
35.0 2.7-35.0	6.00	6.00	6.00	6.00	6.00	6.00											
30.0 2.7-30.0	6.00	6.00	6.00	6.00													
25.0 2.7-25.0	6.00	6.00															

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
65.0 2.7-19.5	6.02	5.38	4.85	4.40	4.01	3.68	3.39	3.13	2.90	2.69	2.51	2.34	2.19	2.05	1.93	1.81	1.70 1.84*
60.0 2.7-23.3	7.40	6.64	6.00	5.46	5.00	4.60	4.25	3.94	3.67	3.42	3.20	3.00	2.82	2.65	2.50	2.70	
55.0 2.7-25.7	8.00	7.40	6.70	6.11	5.60	5.16	4.78	4.44	4.13	3.86	3.62	3.40	3.20	3.46			
50.0 2.7-27.2	8.00	7.91	7.17	6.54	6.00	5.53	5.13	4.76	4.44	4.16	3.90	4.21					
45.0 2.7-28.0	8.00	8.00	7.40	6.75	6.20	5.72	5.30	4.93	4.60	4.97							
40.0 2.7-28.9	8.00	8.00	7.67	7.00	6.43	5.93	5.50	5.94									
35.0 2.7-29.6	8.00	8.00	7.87	7.18	6.60	7.13											
30.0 2.7-30.0	8.00	8.00	8.00	8.00													
25.0 2.7-25.0	8.00	8.00															

Load capacity [t]

Loads refer to 40 m hook path.

Longer paths reduce loads by the weight of the hoist rope (for 2 rope = 2.6 kg/m hook path).

* data for WILBERTloadplus

Work speeds

Gear type	Work speed in relation to load	Power												
Hoist gear HFU26-30 / HFU45-40	Hoist	26 or 45 kW												
	Continuous acceleration													
	<table border="1"> <thead> <tr> <th>26 kW hoist gear [m/min]</th> <th>Hook path max. [m] at 26 kW</th> <th>45 kW hoist gear [m/min]</th> <th>Hook path max. [m] at 45 kW</th> </tr> </thead> <tbody> <tr> <td>0 ... 55 at 0.5 t</td> <td rowspan="3">160</td> <td>0 ... 170 at 0.5 t</td> <td rowspan="3">160</td> </tr> <tr> <td>0 ... 48 at 3 t</td> <td>0 ... 48 at 4 t</td> </tr> <tr> <td>0 ... 24 at 6 t</td> <td>0 ... 27 at 8 t</td> </tr> </tbody> </table>	26 kW hoist gear [m/min]	Hook path max. [m] at 26 kW	45 kW hoist gear [m/min]	Hook path max. [m] at 45 kW	0 ... 55 at 0.5 t	160	0 ... 170 at 0.5 t	160	0 ... 48 at 3 t	0 ... 48 at 4 t	0 ... 24 at 6 t	0 ... 27 at 8 t	
	26 kW hoist gear [m/min]	Hook path max. [m] at 26 kW	45 kW hoist gear [m/min]	Hook path max. [m] at 45 kW										
	0 ... 55 at 0.5 t	160	0 ... 170 at 0.5 t	160										
0 ... 48 at 3 t	0 ... 48 at 4 t													
0 ... 24 at 6 t	0 ... 27 at 8 t													
Trolley gear TW	Move trolley	7.5 kW												
	Continuous acceleration up to 110 m per minute													
Slewing gear DW	Slew	2x7.5 kW												
	Work speed up to 0.8 rotations per minute													
Connected load	39 kVA (26 kW hoist) alternatively 54 kVA (45kW hoist)													

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Key figures

BGL classification	C.0.10.0180
Max. radius	65 m
Load capacity at max. radius	1.7 t
Max. load capacity	8 t
Max. hook height freestanding	more than 100 m
Number of ropes	2
Hoist gear power	26 or 45 kW
Connected load	39 or 54 kVA