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WT 405L *e.tronic*

Luffing Jib Crane
Technical Information

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WT 405L e.tronic

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 6 and 12 m long and allow for flexible adjustments of the jib.

Radius [m]	12.0	18.0	24.0	27.0	33.0	38.0	44.0	50.0	56.0	61.5	
61.5 7.6–26.8	16.0	16.0	16.0	15.9	12.2	10.1	8.1	6.6	5.5	4.7	5.1*
56.0 7.0–29.9	16.0	16.0	16.0	16.0	13.9	11.3	8.9	7.1	5.7	6.1	
50.0 6.4–31.2	16.0	16.0	16.0	16.0	14.8	11.9	9.3	7.4	8.0		Load capacity [t]
44.0 5.8–32.3	16.0	16.0	16.0	16.0	15.5	12.5	9.8	10.6			
38.0 5.2–34.4	16.0	16.0	16.0	16.0	14.5	12.6	13.6				
33.0 4.6–33.0	16.0	16.0	16.0	16.0	16.0	16.0					
27.0 4.0–27.0	16.0	16.0	16.0	16.0	16.0						


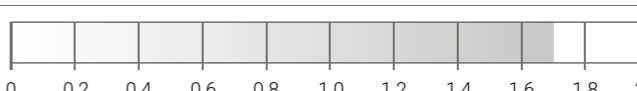


Radius [m]	12.0	18.0	24.0	27.0	33.0	38.0	44.0	50.0	56.0	61.5	
61.5 7.6–13.7	32.0	23.5	16.8	14.5	11.3	9.3	7.6	6.3	5.2	4.5	4.9*
56.0 7.0–14.9	32.0	25.8	18.3	15.8	12.2	10.1	8.1	6.7	5.5	5.9	Load capacity [t]
50.0 6.4–16.3	32.0	28.5	20.2	17.4	13.4	11.0	8.8	7.2	7.8		
44.0 5.8–17.8	32.0	31.6	22.3	19.2	14.7	12.0	9.6	10.4			
38.0 5.2–18.8	32.0	32.0	23.6	20.2	15.3	12.4	13.4				
33.0 4.6–19.3	32.0	32.0	24.2	20.7	15.5	16.7					
27.0 4.0–19.9	32.0	32.0	24.6	20.9	22.6						

Loads refer to 45 m tower height.

Longer paths reduce loads by the weight of the hoist rope (for 2 rope = 8.0 kg/m hook path).

* data for WILBERTloadplus

Work speeds

Gear type	Work speed in relation to load	Power
Hoist gear HFU 140-160	Hoist	140 kW
	Continuous acceleration	
	Hoist gear [m/min] Hook path max. [m]	
	1 rope 0 ... 200 at 2 t 590 0 ... 40 at 16 t	
	2 rope 0 ... 100 at 2 t 245 0 ... 20 at 32 t	
Luffing gear WW	Move jib	75 kW
		
		
	1.7 minutes from min. to max. radius	
Slewing gear DW	Slew	11 kW
		
		
	Work speed up to 0.8 rotations per minute	
Connected load	180.0 kVA	

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Key figures

BGL classification	C.0.11.0405
Max. radius	61.5 m
Load capacity at max. radius	4.7 t
Max. load capacity	32 t
Max. hook height freestanding	more than 160 m
Number of ropes	1 or 2
Hoist gear power	140 kW
Connected load	180 kVA

