

Technical Sheet for TC5610

Free standing height (m)		41.5		
Max height with attachment (m)		141.5		
Working range can be adjusted (m)		44、50、56		
Min working range (m)		2.5		
Max lifting capacity (t)		6		
Tip load @ 56m (t)		1		
Hoist mechanism	Falls	2	4	
	Lifting capacity (t)	1.5-3	3-6	
	Speed (m/min)	0-80	0-40	
	Motor	YZRDWF225M-4/8-24/24KW		
Trolleying mechanism	Speed (m/min)	12/27/53		
	Motor	YZTDE132L-4/8/16-3.3/2.2/1.1KW		
Slewing mechanism	Speed (r/min)	0-0.6		
	Motor	YZR132M2-6-3.7KW×2		
Climbing speed (m/min)		0.58		
Counterweight (t)	44m jib length	50m jib length	56m jib length	
	12	13.05	14.1	
Mast section size (L×W×H) m		1.6×1.6×2.5m		
Working temperature		-40—+60℃		
Total power (KW)		37		
Power supply requirement (KVA)		170KVA for generator		
Cable type (within 40 meters from site power source to lower electric box of tower crane)		50mm ² (3+2, 5 cores)		
Startup voltage & current		380V×95%=361V	170A	
Rated working voltage & current		380V	108A	

Loading diagram:

56m jib length:

R	2.5-26.35					28	30	32	38	44	50	56
a=2(t)	3.00					2.77 8	2.54 2	2.33 6	1.85 1	1.50 2	1.237	1.03
R	2.5-14.82	16	18	20	22	26	32	38	44	50	56	
a=4(t)	6.00	5.47 8	4.75 7	4.18 7	3.72 5	3.02 2	2.30 6	1.82 1	1.47 2	1.207	1.00	

50m jib length:

R	2.5-27.6					28	30	36	40	44	50
a=2(t)	3.00					2.946	2.698	2.124	1.839	1.607	1.330
R	2.5-15.5	18	20	22	26	28	30	36	40	44	50
a=4(t)	6.00	5.023	4.426	3.941	3.203	2.916	2.668	2.094	1.809	1.577	1.30

44m jib length:

R	2.5-29.05						30	32	36	38	44
a=2(t)	3.00						2.880	2.653	2.275	2.117	1.73
R	2.5-16.29	18	20	24	26	28	30	32	36	38	44
a=4(t)	6.00	5.333	4.703	3.770	3.414	3.112	2.850	2.623	2.245	2.087	1.70