

Technical Sheet for TC5013B

Free standing height (m)		41.5	
Max height with attachment (m)		141.5	
Working range can be adjusted (m)		44、 50	
Min working range (m)		2.5	
Max lifting capacity (t)		6	
Tip load @ 50m (t)		1.3	
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	
	12	13.05	
Mast section size (L×W×H) m		1.6×1.6×2.5m (seamless tube type)	
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:

50m jib length:

R	2.5-15.5	17	20	23	26	28.1	29	35	41	44	50
a=2(t)	3.00						2.91	2.32	1.90	1.73	1.33
a=4(t)	6.00	5.40	4.48	3.80	3.29	2.99	2.88	2.29	1.87	1.70	1.30

44m jib length:

R	2.5-15.7	17	20	23	26	28.7	29	32	35	38	44
a=2(t)	3.00						2.97	2.63	2.36	2.13	1.73
a=4(t)	6.00	5.49	4.56	3.87	3.35	2.97	2.94	2.60	2.33	2.10	1.70