

Technical Sheet for TC5516

Free standing height (m)		44			
Max height with attachment (m)		150 (200)			
Working range can be adjusted (m)		45、50、55			
Min working range (m)		2.5			
Max lifting capacity (t)		8			
Tip load @ 55m (t)		1.6			
Hoist mechanism	Falls	2		4	
	Lifting capacity (t)	0—2	0—4	0—4	0—8
	Speed (m/min)	0—80	0—40	0—40	0—20
	Motor	YZRWFc250M-4/8 30/30KW			
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)		0.5			
Counterweight (t)		17.6			
Mast section size (L×W×H) m		1.6×1.6×3.0			
Working temperature		-40—+60℃			
Total power (KW)		42			
Power supply requirement (KVA)		190KVA 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		179A	
Rated working voltage & current		380V		128A	

Loading diagram:

55m jib length:

R m	3.1—13.5	17	22	27	33	37	45	47	50	52	55
a=2	4t—24.65m			3.61	3	2.61	2.38	1.95	1.8	1.72	1.6
a=4	8t	6.2	4.62	3.41	3	2.61	2.38	1.95	1.8	1.72	1.6

50m jib length:

R m	2.5—15.17	19.65	22	25	27.4	33	38.5	42	47	50
a=2	4t---27.6m					3.22	3	2.71	2.37	2.2
a=4	8t	6.2	5.53	4.76	4	3.22	3	2.71	2.37	2.2

45m jib length:

R m	2.5—15.17	22	25	27.4	29.8	33	38.5	40	42	45
a=2	4t				3.65	3.22	3	2.87	2.71	2.5
a=4	8t---15.17m	5.53	4.76	4.2	3.65	3.22	3	2.87	2.71	2.5