

Technical Sheet for TC7135

Free standing height (m)		50			
Max height with attachment (m)		200			
Working range can be adjusted (m)		50、55、60、65、71			
Min working range (m)		2.5			
Max lifting capacity (t)		16			
Tip load @ 71m (t)		3.5			
Hoist mechanism (VFD+PLC)	Falls	2		4	
	Lifting capacity (t)	0-4	0-8	0-8	0-16
	Speed (m/min)	0-80	0-40	0-40	0-20
	Motor	YZPBF280-8-55KW			
Trolleying mechanism (VFD+PLC)	Speed (m/min)	0-56			
	Motor	YPBE132M-4-7.5KW			
Slewing mechanism (VFD+PLC)	Speed (r/min)	0-0.6			
	Motor	YLEW112M-6-120N.M×2			
Climbing speed (m/min)		0.5			
Counterweight (t)		26			
Mast section size (L×W×H) m		2×2×3			
Working temperature		-40—+60℃			
Total power (KW)		95			
Power supply requirement (KVA)		255KVA for generator			
Cable type (within 30 meters from site power source to lower electric box of tower crane)		50mm ² (3+2, 5 cores)			
Startup voltage & current		380V×95%=361V 260A			
Rated working voltage & current		380V 146A			

Loading diagram:

70m jib length:

R	3.7~18.26	20	22	24	26	28	30	32
4 Falls (t)	16	14.48	13.02	11.8	10.77	9.89	9.12	8.45
R	34	36	38	40	42	44	46	48
4 Falls (t)	7.86	7.34	6.87	6.44	6.06	5.71	5.39	5.1
R	50	52	54	56	58	60	62	64
4 Falls (t)	4.84	4.59	4.36	4.15	3.95	3.76	3.59	3.43
R	66	68	70					
4 Falls (t)	3.28	3.14	3					

71m jib length:

R	4.7~35.36	36	38	40	42	44	46	48
2 Falls (t)	8	7.98	7.38	6.96	6.58	6.24	5.93	5.64
R	50	52	54	56	58	60	62	64
2 Falls (t)	5.37	5.13	4.9	4.7	4.5	4.32	4.15	3.99
R	66	68	70	71				
2 Falls (t)	3.84	3.7	3.56	3.5				

65 m jib length:

R	3.7~19.55	21	23	25	27	29	31	33
4 Falls (t)	16	14.79	13.36	12.16	11.15	10.27	9.5	8.83
R	35	37	39	41	43	45	47	49
4 Falls (t)	8.24	7.7	7.23	6.8	6.41	6.05	5.73	5.43
R	51	53	55	57	59	61	63	65
4 Falls (t)	5.15	4.9	4.66	4.44	4.24	4.05	3.96	3.7

65m jib length:

R	4.7~38	39	41	43	45	47	49	51
2 Falls (t)	8	7.77	7.35	6.96	6.61	6.29	5.99	5.72
R	53	55	57	59	61	63	65	66
2 Falls (t)	5.47	5.23	5.02	4.81	4.62	4.45	4.28	4.2

60m jib length:

R	3.7~21.45	22	24	26	28	30	32	34
4 Falls (t)	16	15.57	14.13	12.93	11.89	10.99	10.2	9.51
R	36	38	40	42	44	46	48	50
4 Falls (t)	8.89	8.34	7.84	7.4	6.99	6.61	6.27	5.96
R	52	54	56	58	60			
4 Falls (t)	5.67	5.4	5.15	4.92	4.7			

60m jib length:

R	4.7~41.9	44	46	48	50	52	54	56
2 Falls (t)	8	7.58	7.21	6.87	6.56	6.27	6	5.75
R	58	60	61					
2 Falls (t)	5.52	5.3	5.2					

55m jib length:

R	3.7~21.54	23	25	27	29	31	33	35
4 Falls (t)	16	14.89	13.57	12.45	11.48	10.63	9.89	9.24
R	37	39	41	43	45	47	49	51
4 Falls (t)	8.65	8.13	7.65	7.22	6.83	6.47	6.14	5.84
R	53	55						
4 Falls (t)	5.56	5.3						

55m jib length:

R	4.7~41.6	43	45	47	49	51	53	55	56
2 Falls (t)	8	7.71	7.33	6.98	6.65	6.35	6.08	5.82	5.7

50m jib length:

R	3.7~22.4	24	26	28	30	32	34	36
4 Falls (t)	16	14.85	13.58	12.5	11.56	10.74	10.011	9.37
R	38	40	42	44	46	48	50	
4 Falls (t)	8.79	8.27	7.8	7.38	6.99	6.63	6.3	

50m jib length:

R	4.7~43.6	44	46	48	50	51
2 Falls (t)	8	7.92	7.53	7.18	6.85	6.7