

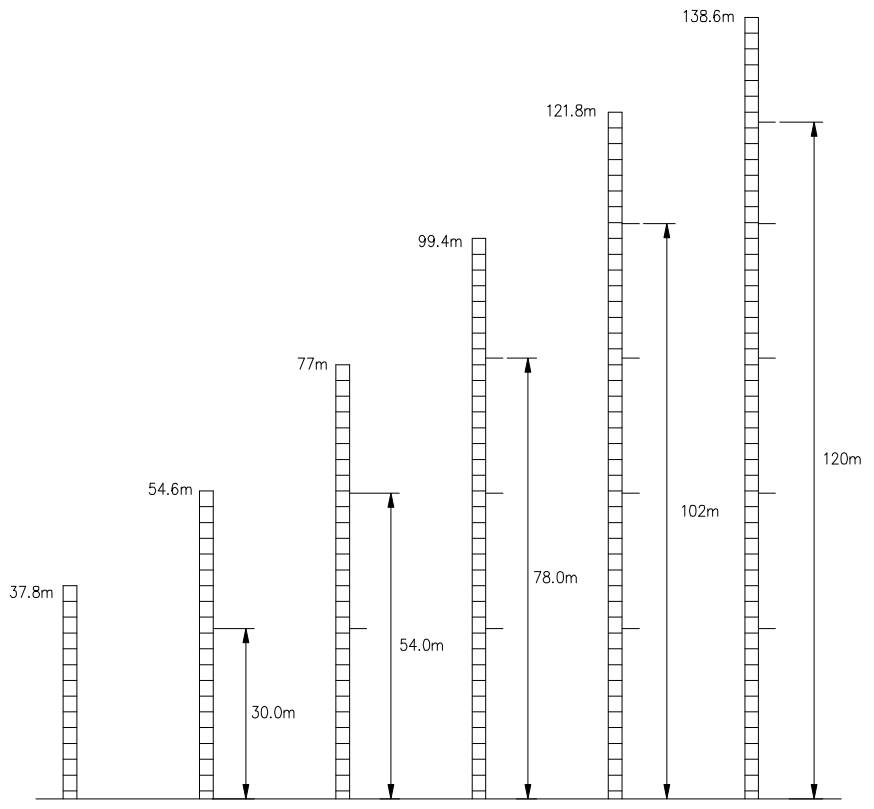
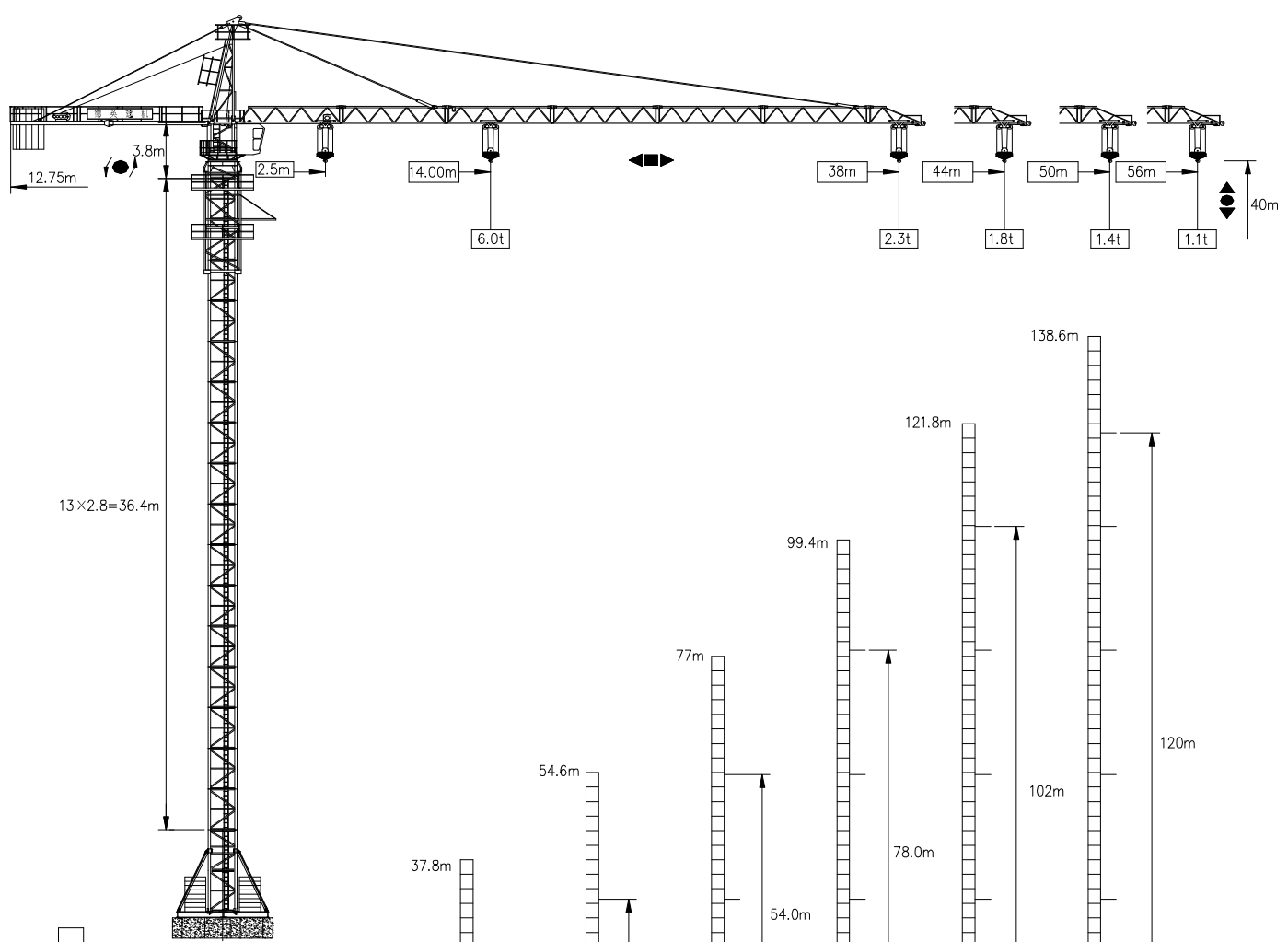


Tower Crane TC5612

TC5612

6t

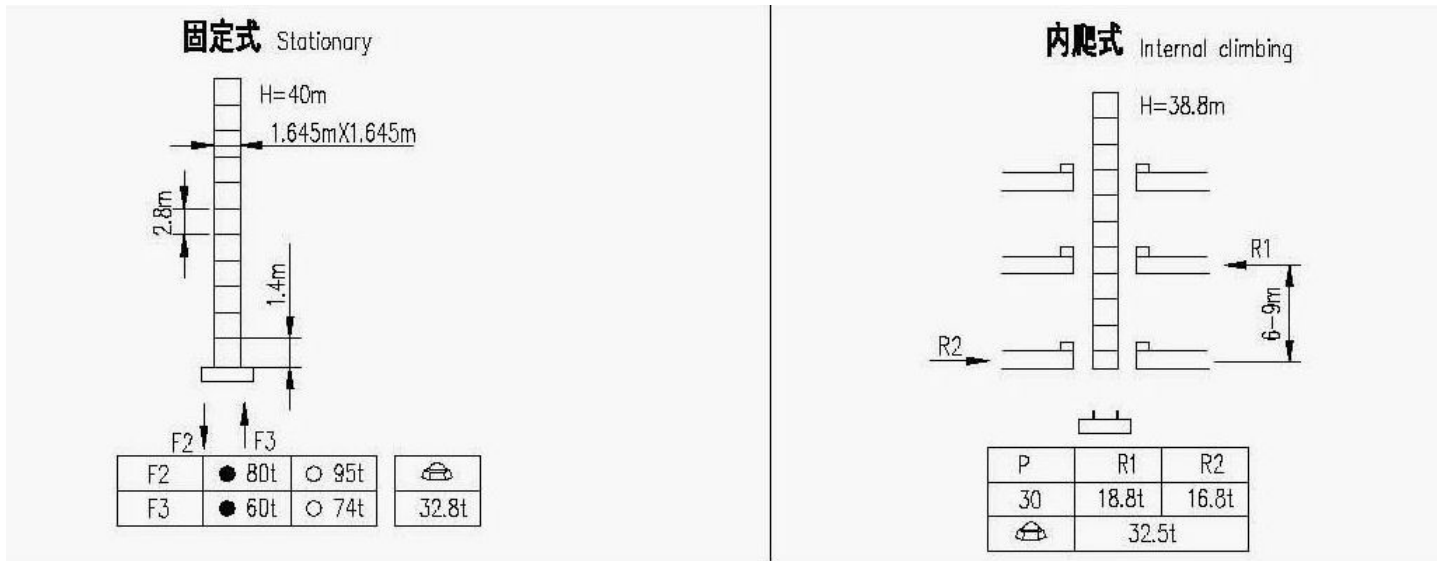
DEYING®
德英



F1	● 38	○ 43t	
F2	● 10t	○ 19t	36.86t
F1	● 80t	○ 95t	
F2	● 60t	○ 74t	33.2t

F 反力	Reaction	● 工作状态	in service		自重	without load and ballast with the longest jib and maximum height
		○ 非工作状态	out of service			

Two types



Load Capacity

jib length (55m)

R (m)	2.5-14.00	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	56
Q (t) 🏠	6.00	5.35	4.67	4.13	3.69	3.33	3.02	2.76	2.54	2.27	2.17	2.02	1.88	1.76	1.65	1.55	1.45	1.37	1.30	1.22	1.10
Q (t) 🏠	3.00							2.86	2.64	2.37	2.27	2.12	1.98	1.86	1.75	1.65	1.55	1.47	1.40	1.32	1.20

jib length (50m)

R (m)	2.5-15.00	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
Q (t) 🏠	6.00	5.60	4.89	4.33	3.88	3.51	3.19	2.92	2.69	2.48	2.31	2.15	2.00	1.88	1.76	1.66	1.57	1.48	1.40
Q (t) 🏠	3.00							3.02	2.79	2.58	2.41	2.25	2.10	1.98	1.86	1.76	1.67	1.58	1.50

jib length (44m)

R (m)	2.5-16.00	18	20	22	24	26	28	30	32	34	36	38	40	42	44
Q (t) 🏠	6.00	5.24	4.65	4.16	3.76	3.43	3.14	2.89	2.68	2.49	2.32	2.17	2.03	1.91	1.80
Q (t) 🏠	3.00							2.78	2.59	2.42	2.27	2.13	2.01	1.90	

jib length (38m)

R (m)	2.5-16.74	18	20	22	24	26	28	30	32	34	36	38
Q (t) 🏠	6.00	5.53	4.90	4.40	3.98	3.62	3.32	3.06	2.83	2.63	2.46	2.30
Q (t) 🏠	3.00							2.93	2.73	2.56	2.40	

Tower Crane Electronic Parts

Creepage recloser	Breaker	Plastic shell breaker	Main AC contactor	Schneider electric
Relay	Time relay	Medium relay	Bridge unit	
Transducer	Moment spacing swish	autotransformer	Coder feekback	
DC power supply	Kenotron	Avail adapter socket	Retainer adapter	

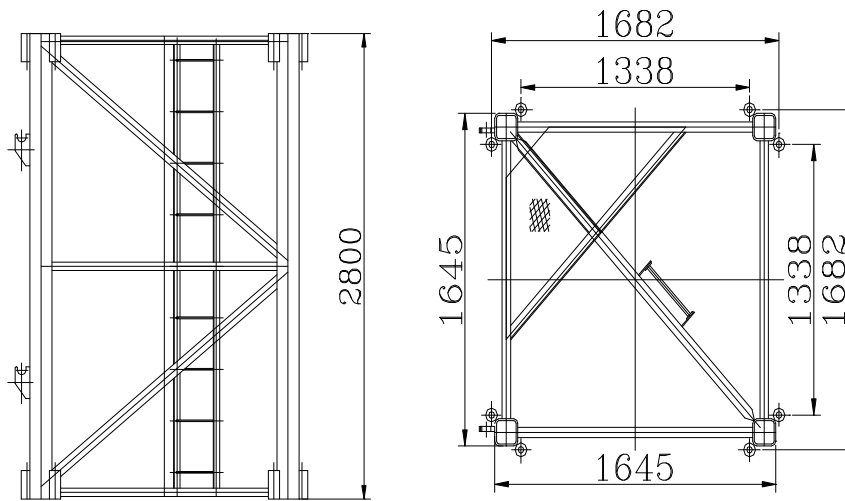
Main Technical Parameter

Item		Unit	Parameter			
Metric lifting moment		KN.M	800			
Max. lifting capacity		T	6			
Tip load capacity		T	1.2			
Working radius		M	2.5~56			
Hoisting Height	Independent	M	42			
	Attachment	M	138.6			
Hoisting Speed	Fall		2		4	
	Hoisting Speed	M/min	0~40	0~80	0~20	0~40
	Max Lifting Capacity	T	3.0	1.5	6.0	3.0
Slewing Speed		R/min	0~0.6			
Trolleying Speed		M/min	44/20			
Climbing Speed		M/min	0.56			
Weight	Independent Structure	T	35.0			
	Counter-Balance	T	14.1			
	Stationary Structure	T				
Max. Slewing Radius		M	56			
Counter-Jib Slewing Radius		M	12.75			
Max. Working Wind Speed		M/s	20			
Climbing Wind Speed ≤		M/s	13			
Working Environment Temperature		°C	-20~+40			

Main Parts Parameter

Item			Parameter	
Hoisting Mechanism	Electromotor	Model		YZTD225L ₂ -4/8/32
		Power	Kw	24/24/5.4KW
		Turning rate	R/min	1450/730/170
	Reducer	Model		JD566
		Speed Ratio		i=15.7
	Steel rope			12NAT6X19W
Slewing Mechanism	Electromotor	Model		YTLEJ112L-55-4
		Power	N.m	2x55
		Turning rate	R/min	960
	Reducer	Model		XX4-80.195C
		Speed Ratio		195
Trolleying Mechanism	Electromotor	Model		YDEJ132S-4/8
		Power	Kw	8
		Turning rate	R/min	700/1450
	Reducer	Model		BXJ45
		Speed Ratio		i=45
	Steel rope			8NAT6X19W
Hydraulic climbing Mechanism	Electromotor	Model		M2QA132M4A
		Power	Kw	5.5
		Turning rate	R/min	1440
	Hydraulic pump	Cylinder model		HSGK01-169/110BE
		Route of travel	mm	1600
	Discharge of Hydraulic pump		L/min	11
	Working Pressure		MPa	20

Main Metal Parts List



Mast Section

The mast composition consists of a quantity of standard sections. The number of standard sections is determined by the height of the crane. Standard section consists of main chord, horizontal brace and tilting brace, which are welded to a spatial trussing. The length of each standard section is 2.8m, the section size is 1.645×1.645m

External Dimensions

1645×1645

Overall Height:2800



Jib

The hoisting jib is non-uniform section and isosceles triangle type, the upper and lower chord is a square tube welded by two angle bars, the tilted brace and horizontal brace are made of seamless tube. Both the upper and the outside surface of the lower chord are kept horizontal and vertical, thus, the lower chord can also be used as a rail for jib trolley