

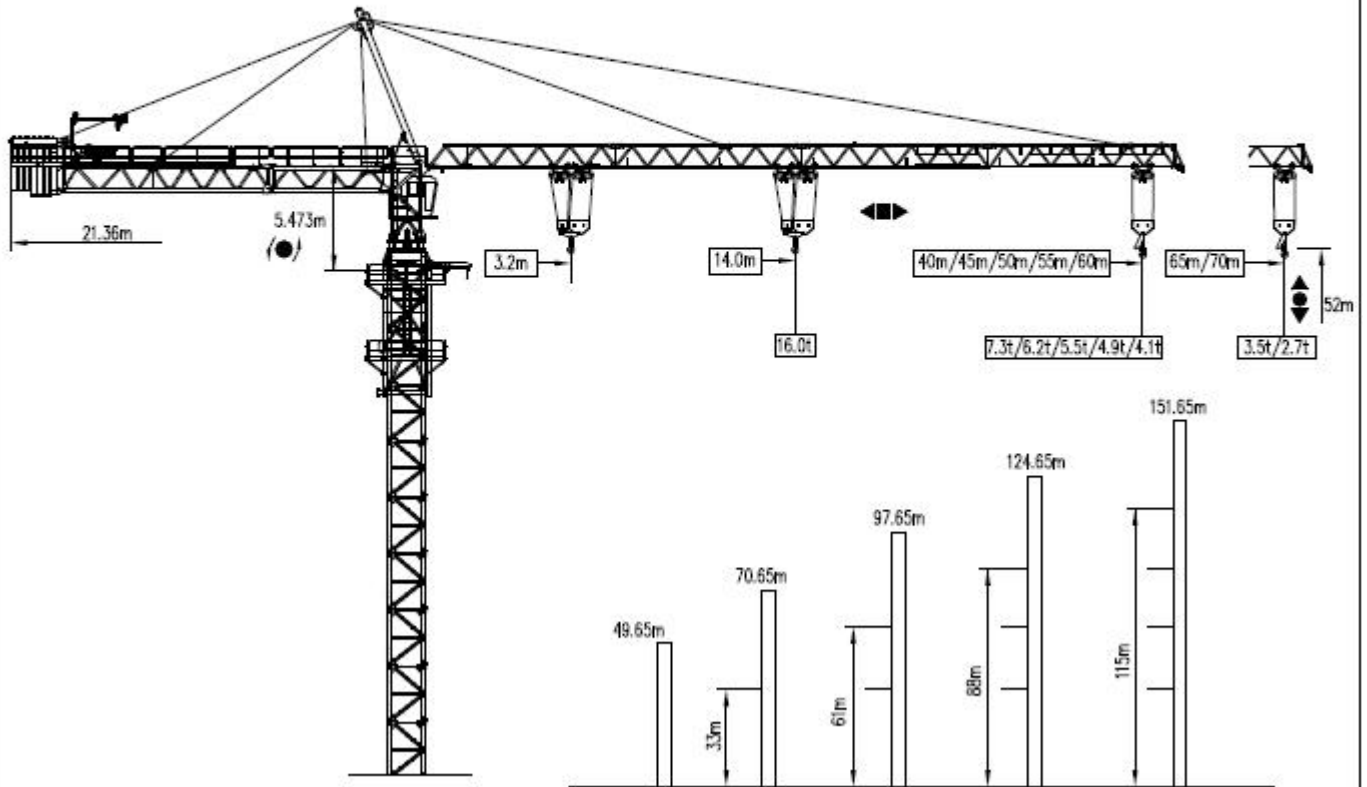


Tower Crane TC7027

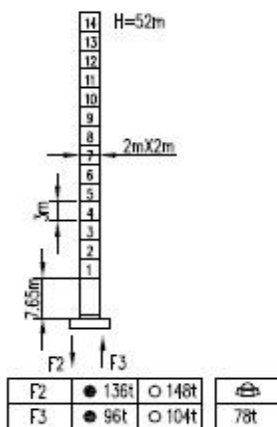
TC7027

16t

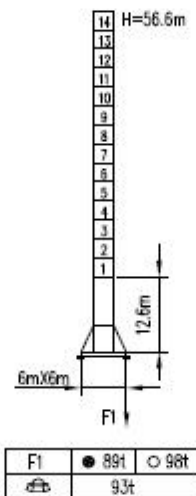
DEYING®
德英



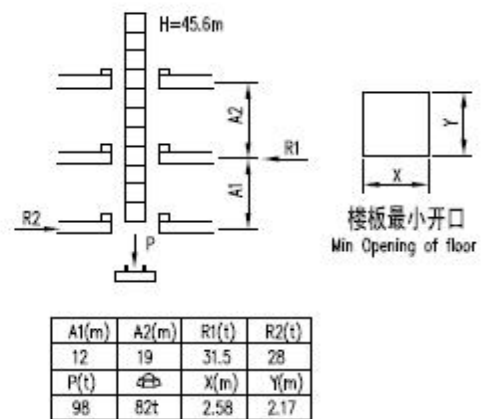
固定式 Stationary



行走式 Travelling



内爬式 Internal climbing



F 反力 Reaction

● 工作状态 In service
○ 非工作状态 out of service

自重

without load and ballast with the longest jib and maximum height

Load Capacity

Jib length=70m

Radius (m)	Multiple ratio	3.2 ~ 14.0	22	25	30	35	40	45	50	55	60	65	70
Payload capacity (t)	4	16.00	11.2	8.00	6.36	5.2	5.34	3.67	3.15	2.72	2.36	2.06	1.80
	2	8.00			7.52	6.3	5.39	4.68	4.13	3.66	3.3	2.97	2.70

Jib length=65m

Radius (m)	Multiple ratio	3.2 ~ 16.4	25	30	35	40	45	50	55	60	65
Payload capacity (t)	4	16.00	10.3	7.60	6.70	5.20	4.50	3.80	3.40	3.00	2.60
	2	8.00			7.20	6.20	5.40	4.85	4.30	3.90	3.50

Jib length=60m

Radius (m)	Multiple ratio	3.2 ~ 16.4	25	30	35	40	45	50	55	60
Payload capacity (t)	4	16.00	10.40	8.00	6.80	5.60	4.90	4.25	3.80	3.30
	2	8.00			7.35	6.40	5.70	5.05	4.60	4.10

Jib length=55m

Radius (m)	Multiple ratio	3.2 ~ 17.7	25	30	35	40	45	50	55
Payload capacity (t)	4	16.00	10.90	8.90	7.42	6.49	5.64	4.78	4.40
	2	8.00				7.20	6.10	5.37	4.90

Jib length=50m

Radius (m)	Multiple ratio	2.8 ~ 18.9	25	30	35	40	45	50
Payload capacity (t)	4	12.00	11.40	8.95	7.69	6.54	5.90	5.00
	2	5.00				7.35	6.20	5.50

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	3150			
Max. lifting capacity		T	16			
Tip load capacity		T	2.7			
Working radius		M	3.2~70			
Hoisting Height	Independent	M	52			
	Attachment	M	174			
Hoisting Speed	Fall		2		4	
	Hoisting Speed	M/min	0~40	0~80	0~20	0~40
	Max Lifting Capacity	T	6.0	3.0	12.0	6.0
Slewing Speed		R/min	0~0.8			
Trolleying Speed		M/min	57/28/7.5			
Climbing Speed		M/min	0.56			
Weight	Independent Structure	T	80.0			
	Counter-Balance	T	20.4			
	Stationary Structure	T				
Max. Slewing Radius		M	70			
Counter-Jib Slewing Radius		M	21.36			
Max. Working Wind Speed		M/s	20			
Climbing Wind Speed ≤		M/s	13			
Working Environment Temperature		°C	-20~+40			

Main Parts Parameter

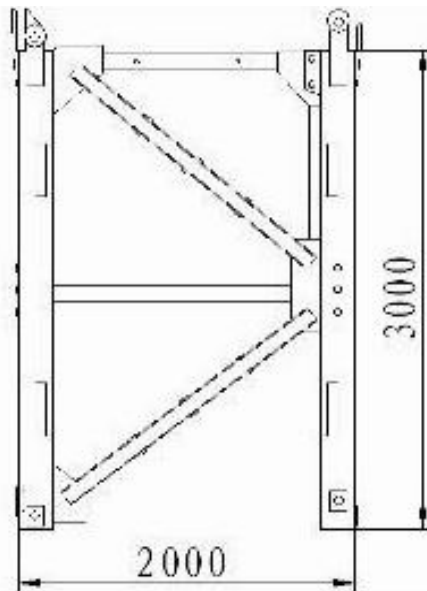
Item			Parameter	
Hoisting Mechanism	Electromotor	Model	YZP250M-6	
		Power	Kw	55
	Reducer	Model	F29	
	Steel rope		18NAT6X19W	
Slewing Mechanism	Electromotor	Model	YTLEJ112-145-4F1	
		Power	N.m	2x145
		Turning rate	R/min	1450
	Reducer	Model	JH02	
Trolleying Mechanism	Electromotor	Model	YTLEJ132L-185-4	
		Power	Kw	185Nm
		Turning rate	R/min	700/1450
	Reducer	Model	SX308	
		Speed Ratio	i=35.84	
	Steel rope		8NAT6X19W	
		Power	Kw	11
	Hydraulic pump	Cylinder model	G18551091C	
		Route of travel	mm	1600
	Discharge of Hydraulic pump		L/min	20.7
	Working Pressure		MPa	40

Main Metal Parts List



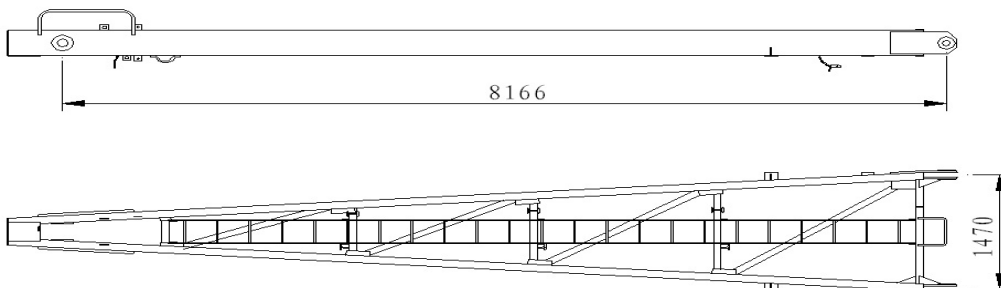
Jib
Jib upper chord is the solid round steel, the lower chord is angle welding-square

Totally 11 sections jibs, jib is connected by pin rolls. Jib connector is forged and of characteristic of small gap and strong.

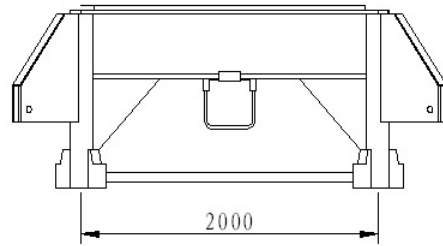
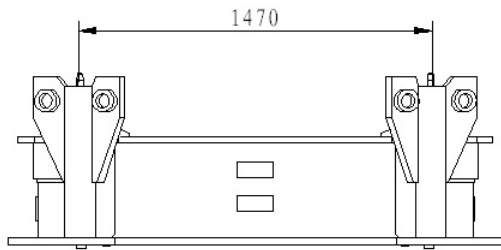


Mast Section

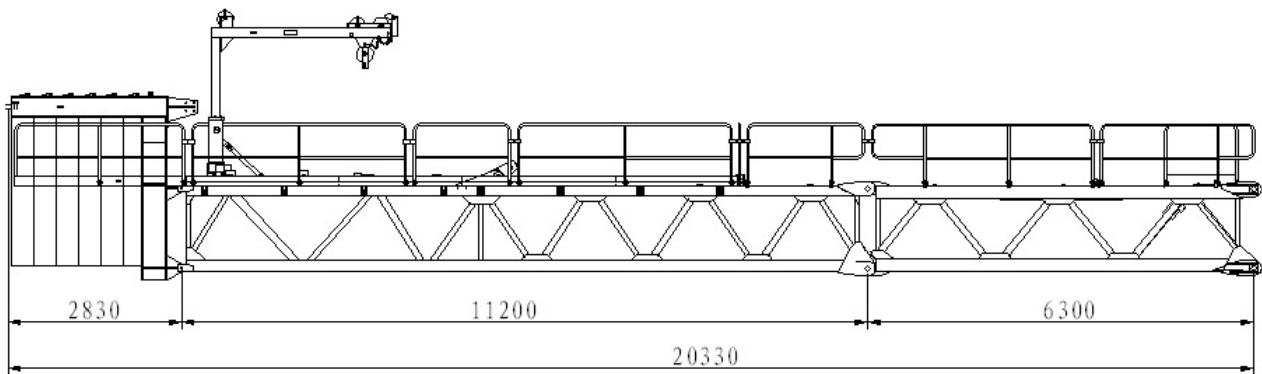
External Dimensions 2000×2000
Overall Height:3000



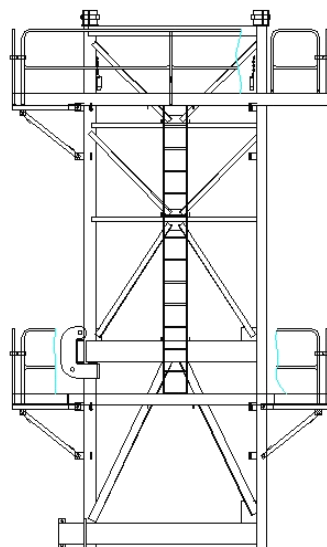
Tower Cap Tower head is composed of two main channel bars.



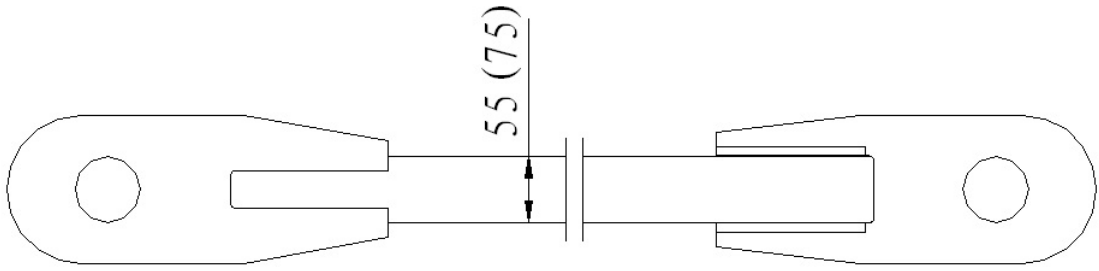
Upper and lower bracket is composed of plates box-case



Counter jib

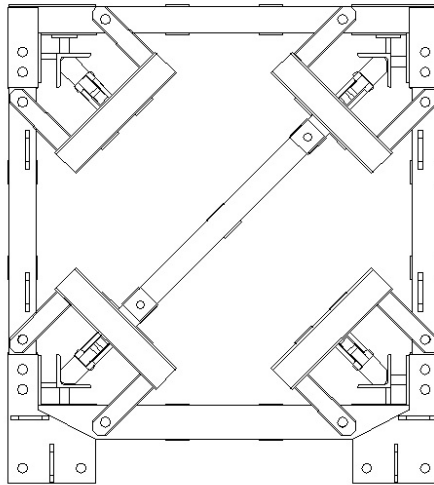


Frame Space frame structure welded by channel steel, angle steel and steel board



Jib Tie Bar

Two tie bars are welded by solid round steel.



Attached Devices welded by channel steel weld-square and steel board