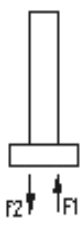
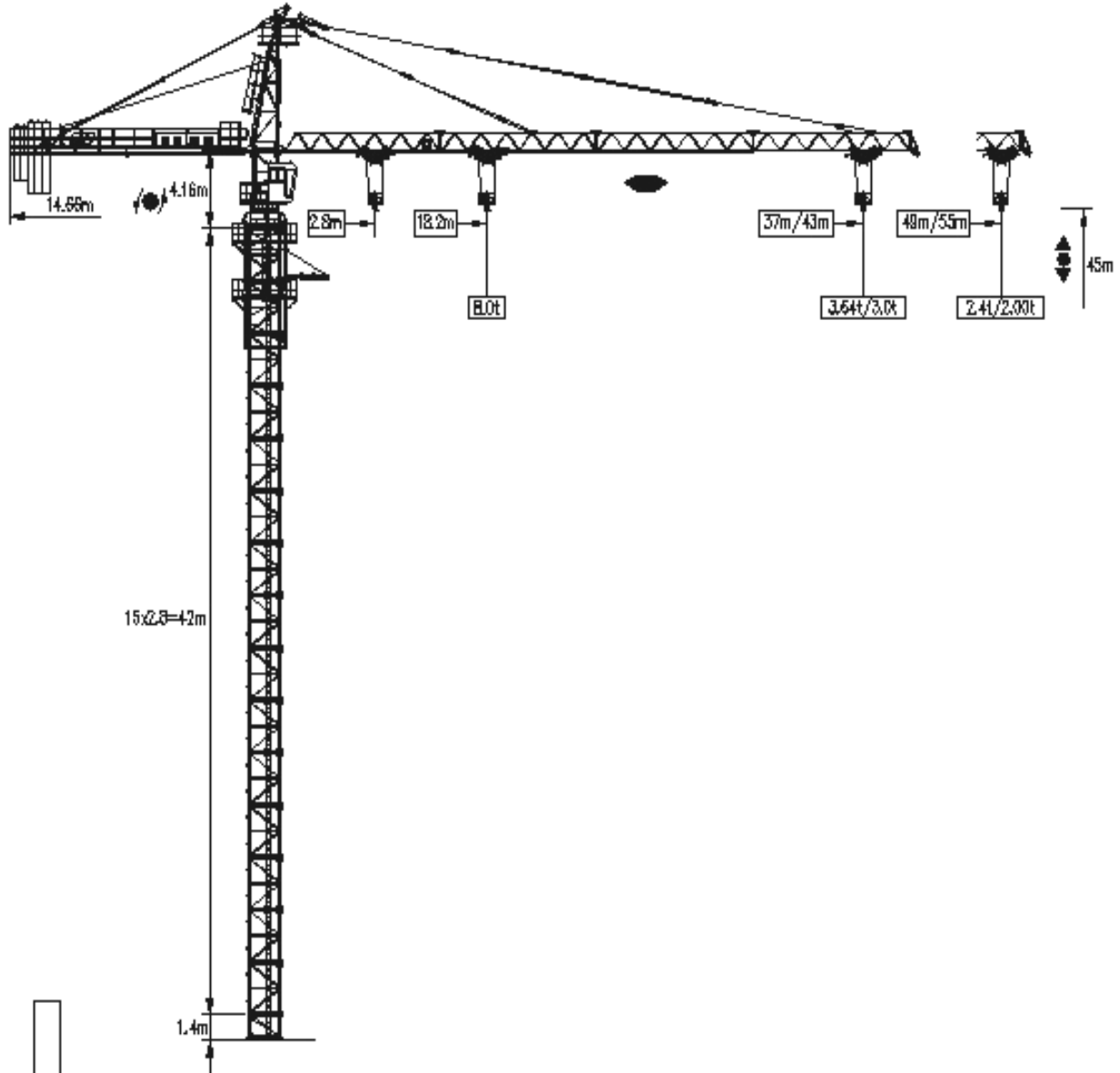




Tower Crane QTZ125 (TC5520) with Fixed Type



F1	● 120t	○ 156t
F2	● 82t	○ 120t

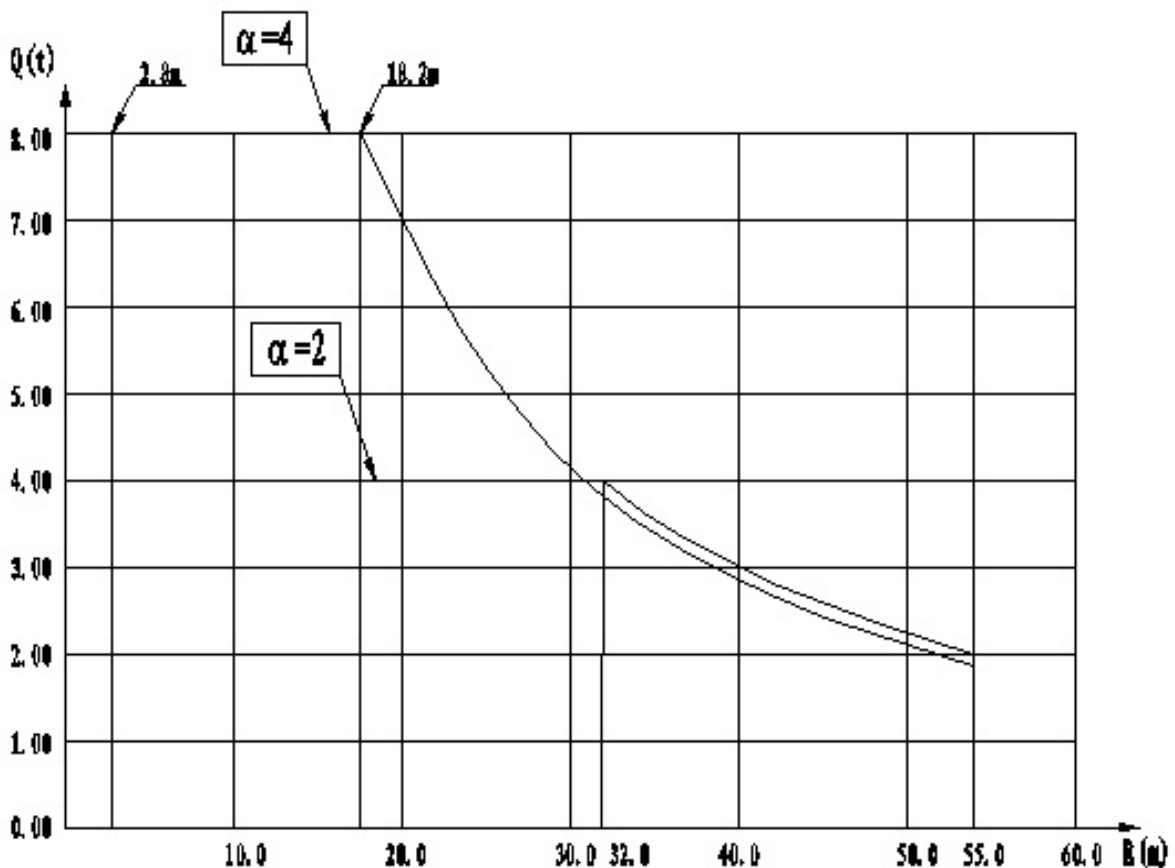
F 反力	Reaction	● 工作状态	In service
		○ 非工作状态	out of service

Structural Diagram

**Jib 55M**

Radius (m)	Multiple ratio	2.8~18.2	20	24	28	32	36	42	48	55
Payload capacity (t)	4	8.00	7.16	5.75	4.76	4.03	3.47	2.83	2.35	1.93
	2	4.00					3.54	2.90	2.42	2.00

**Hoisting Performance Curve**



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### I. Main Technical Parameter

Item		Unit	Parameter			
Metric lifting moment		KN.M	1280			
Max. lifting capacity		T	8			
Tip load capacity		T	2.0			
Working radius		M	2.8~55			
Hoisting Height	Independent	M	45			
	Attachment	M	174			
Hoisting Speed	Fall		2		4	
	Hoisting Speed	M/min	0~40	0~80	0~20	0~40
	Max Lifting Capacity	T	4.0	2.0	8.0	4.0
Slewing Speed		R/min	0~0.6			
Trolleying Speed		M/min	45/23/6			
Climbing Speed		M/min	0.50			
Weight	Independent Structure	T	55.0			
	Counter-Balance	T	19.0			
	Stationary Structure	T				
Max. Slewing Radius		M	70			
Counter-Jib Slewing Radius		M	14.66			
Max. Working Wind Speed		M/s	20			
Climbing Wind Speed ≤		M/s	13			
Working Environment Temperature		°C	-20~+40			

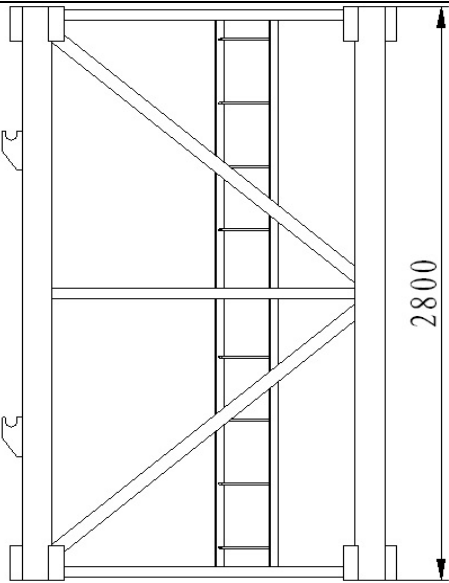
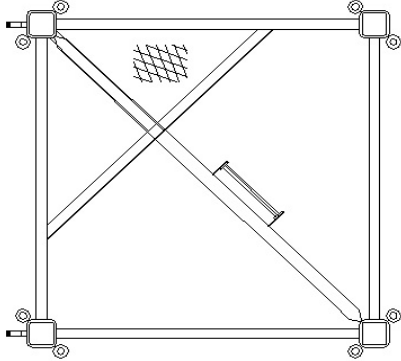

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### II. Main Parts Parameter

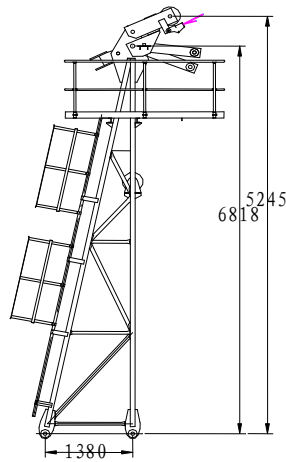
Item			parameter	
Hoisting mechanism	Electromotor	Model		YZRDW250L-4/8-37/3 7
		Power	Kw	37
		Turning rate	R/min	1460/730/150
	Brake	Model		YWZ-315/90
		Braking moment	N.m	630
		Hydraulic braking		Hydraulic braking
	Reducer	Model		JD630
		Speed Ratio		i=17.6
Steel rope			14NAT6X19W	
Slewing mechanism	Electromotor	Model		YZR132M <sub>1</sub> -6
		Power	Kw	2×4.0 (2x75)
		Turning rate	R/min	975
	Reducer	Model		XX4-80.195C
		Speed Ratio		195
	Brake		Moment Brake	
	Slewing ring bearing			011.45.1400.001
Trolleying mechanism	Electromotor	Model		YLEW112M-6
		Power	Kw	60
		Turning rate	R/min	700/1410
	Reducer	Model		SX308
		Speed Ratio		i=33.66
	Steel rope			8NAT6X19W
Hydraulic climbing mechanism	Electromotor	Model		M2QA132M4A
		Power	Kw	7.5
		Turning rate	R/min	1440
	Hydraulic pump	Cylinder model		TQY80
		Route of travel	mm	1600
	Discharge of Hydraulic pump		L/min	14.4
	Working Pressure		MPa	28

III. Main Metal Parts List

 	
<p>Mast Section Main Chord ∠12x135x135mm</p>	<p>External Dimensions 1835×1835 Overall Height:2800</p>
	
<p>Jib Upper chord <math>\varnothing 75</math>、<math>\varnothing 70</math> Lower chord angle steel weld-square ∠90×90×10, ∠80×80×8, ∠70×70×6</p>	<p>Total 9 Sections Jib section connected through pin  Tie-in of jib is processed after forging and it has small diastema and the jib has good rigidity.</p>

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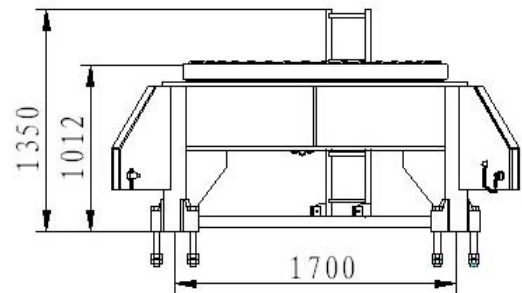
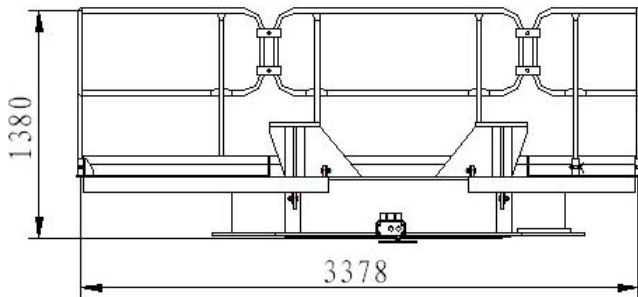
## Zhejiang Deying Architectural Machinery Manufacture Co., Ltd



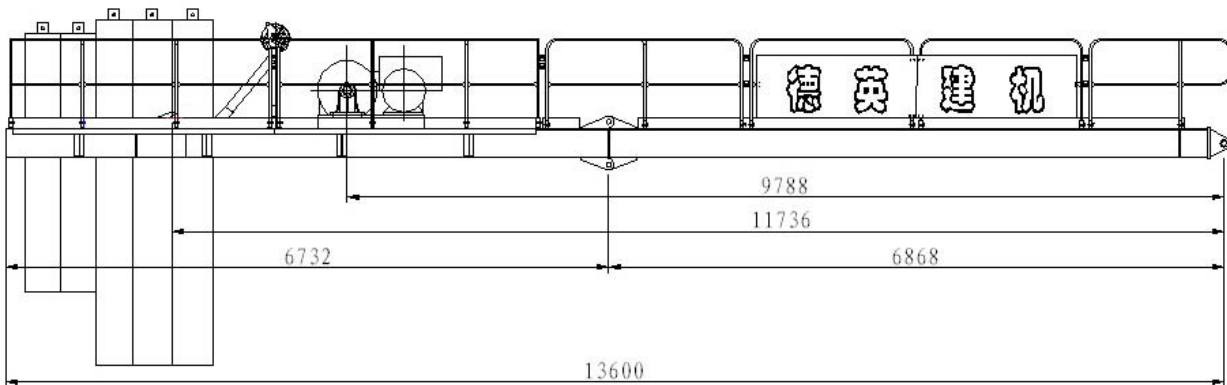
Tower Cap

Main chord  $\phi 75$  round steel

space truss structure of bilateral symmetry and spire welded by angel steel and steel board



Upper and lower pedestal are welded by steel plate.



Counter jib

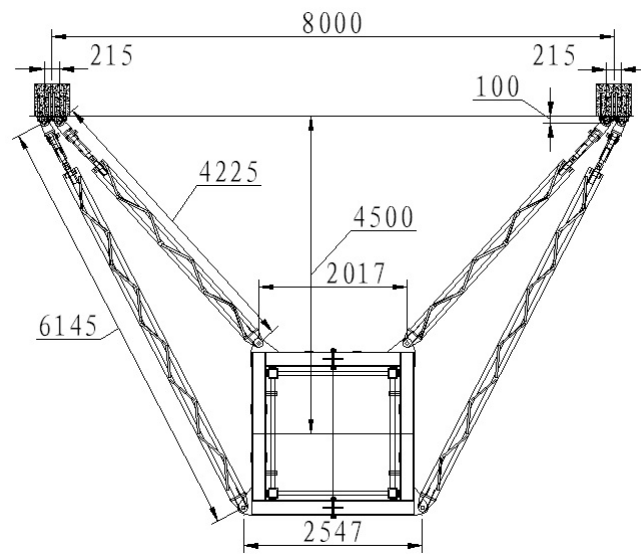
Main Chord 32a

welded by I steel, angle steel and expanded metal

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Frame	Space frame structure welded by channel steel, angle steel and steel board
Main chord angle steel weld-square ∠125×125×12	
Jib Tie Bar	welded by Q235B steel(16Mn steel)
Ø50, Ø55 (Q235B 16Mn steel) Steel board (Q235B 16Mn steel)	

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Attached Devices

welded by channel steel weld-square and steel board

The attached tie is composed of two half frames and four brace rod, etc.

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