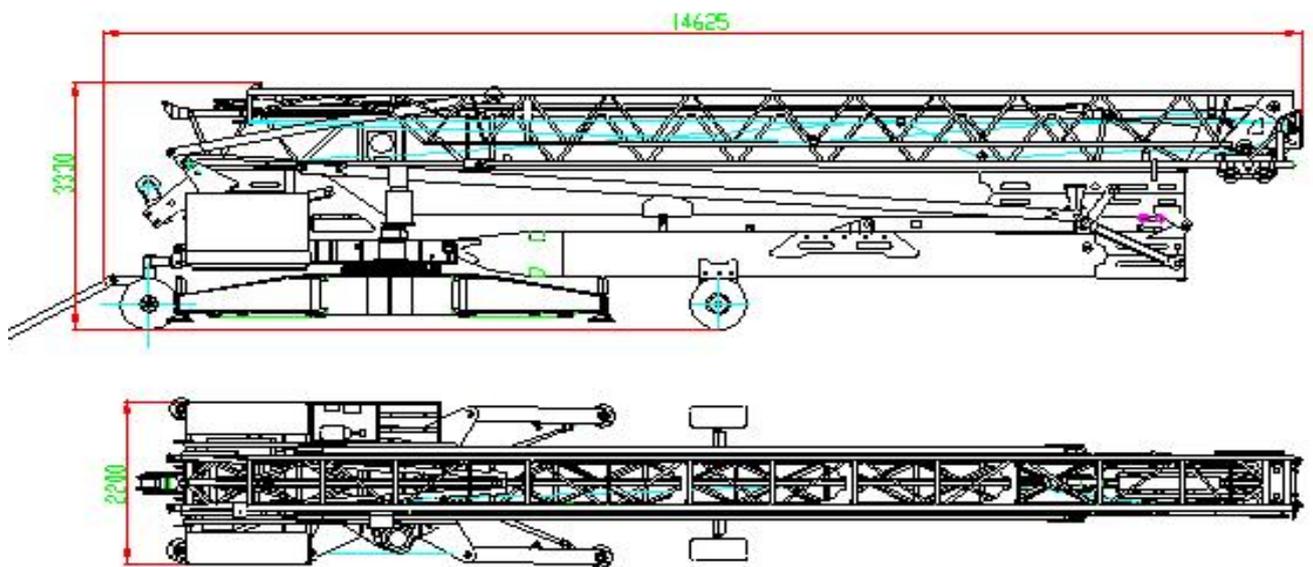


Technology specification

JFYT2227-40

Self Erecting Intelligent Tower Crane 4ton



Features

- 1.The product adopts two wireless remote control and wired remote control operation modes, which greatly improves the operator's operating comfort and safety.
2. Adopt force limit control system to improve product safety. With the help of various signal sensors, the torque limiter can monitor the various working conditions of the crane and provide the crane operator with

continuous, real-time display of the crane operation status. The torque limiter can provide the operator with information about the working range, rated weight, actual weight and other aspects of the tower crane.

3. The hydraulic outrigger adopts the dual safety protection of hydraulic lock and mechanical lock, which can effectively solve the danger caused by hydraulic internal leakage to the work due to the long-term use of the outrigger.

4. The controller is controlled by Siemens PLC. Reliable, flexible and easy to operate.

5. The product is equipped with an anemometer, which can be banned when the wind speed exceeds the working requirements through the control system.

Stop dangerous actions.

6. Fast erection speed, good adjustment performance, stable work and high efficiency. The product boom and tower body are quickly erected by the hydraulic cylinder and the lever mechanism of the balance system, and quickly enter the working state.

7. The hoisting mechanism uses a three-speed motor, which can realize three kinds of speed control through a remote control and a torque control system, which can realize slow and stable start and stable and accurate load in place. Improves operational comfort and safety.

8. The luffing mechanism adopts a two-speed motor, and the double

luffing speed is controlled by the remote control handle and the torque control system.

9. The slewing mechanism adopts a planetary reducer and is equipped with a hydraulic coupling. It has a high load carrying capacity and adopts frequency conversion control. The starting and braking are stable and the work is reliable.

10. The product is equipped with safety devices such as lifting limiter, amplitude limiter, torque control system, tower crane swing brake, etc. to ensure safe and reliable work.

11. The whole machine adopts a foundation-free design and is supported by four movable legs and hydraulic outrigger cylinders. The operation is fast, safe and reliable, and the installation cost is reduced.

12.the product comes with front and rear tires can achieve rapid transition, improve work efficiency.

13. The tower and boom of the product are made of high-strength steel, which is stable and reliable.

● **Product configuration**

Serial number	name	model	factory	note
one	Lifting mechanism	QJ40	Zibo Huineng	
Two	Slewing mechanism	TX63-195	YantaiYucheng	
Three	Luffing mechanism	BE2448	YantaiYucheng	
Four	Wireless remote control system	F21-E1B (Low voltage version)	Taiwan Yuding	

Five	PLC controller	SR60	Siemens	
Six	Torque limiter	CC2000	Xuzhou Changhang	

● parameters

category	project	uint	JFYT2227-40	
Hosting parameters	Max.hoisting height	m	22	
	Max.working radius	m	27	
	Max.hoisting weight	Kg	4000	
	Lifting speed(2times)		Lifting capacity (Kg)	speed(m/min)
			2000	9
			2000	36
			800	56
	Lifting speed(4times)		4000	4.5
			4000	18
			1600	28
	Trolleying speed	m/min	20/40	
	Slewing speed	r/min	0.25/0.6	
	Erecting time	min	10	
	Outrigger span	m	4.2X4.2	
Travel parameters	Max.towing speed	Km/h	15	
Hydraulic system	Hydraulic system	MPa	28	
	Power Supply		380V/50Hz	

Lifting performance table	2times	幅度(m)	9	12	16	20	27
		Lifting Load (Kg)	2000	2000	2000	1600	1200
	4times	Radius(m)	9	12	16	20	27
		Lifting Load (Kg)	4000	2900	2100	1600	1200

● Accessories

Serial number	Drawing number	use	Material	Quantity
1	TQK20-310 00 03	pulley	nylon66	7
2	TRY20-850 00 01	pulley	nylon66	6
3	TQK20-880 00 03	Tugboat	nylon66	8
4	TRY20-870 00 01	pulley	nylon66	1
5	TRY20-880 00 01	pulley	nylon66	1
6	TQK40-860 00 01	Tugboat	nylon66	1
7	TQK20-800 00 29-1A	Tugboat	nylon66	1

● Tools

Serial number	Use drawing number	mane	specification	Quantity
1	GB/T4388-1995	wrench	8×10	1
2	GB/T4388-1995	wrench	10×11	1
3	GB/T4388-1995	wrench	13×15	1
4	GB/T4388-1995	wrench	16×18	2
5	GB/T4388-1995	wrench	19×22	2
6	GB/T4388-1995	wrench	24×27	1
7	GB/T4388-1995	wrench	27×30	1
8	GB/T4440-1998	Adjustable wrench	6" ×150	1
9	GB/T5356-1998	Hexagon wrench inside	5mm	1
10	GB/T5356-1998	Hexagon wrench inside	6mm	1

11		Cross screwdriver	5X100	1
12		Slotted screwdriver	3X150	1
13	QB/T3872-1999	Hand hammer	0.5kg	1
14		Grease gun (lever type)	120CC	1
15		jack	10t	1
16		Spirit level	1m	1
17	QB/T3853.1-1999	pliers	8 寸	1
18		Toolbox		1

- **tower crane manual**
- **Limiter Manual**
- **Warranty Card**