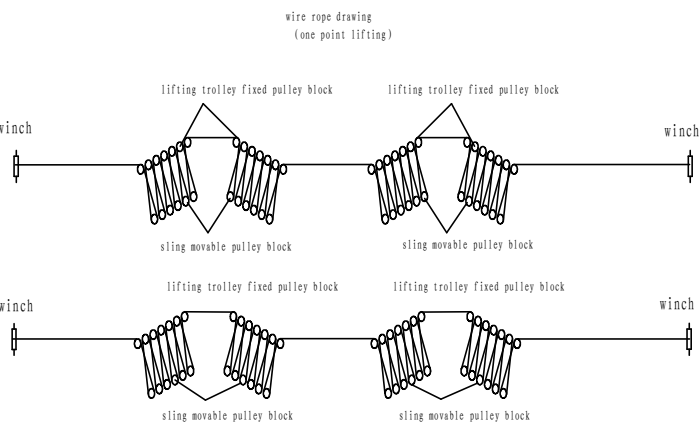


technical demands

- The gantry crane is manufactured, installed, tested, inspected and accepted in accordance with GB/T14406-93 《General Purposes Gantry Crane》
- Two sets gantry cranes cooperate to work, one set lifts one point of the girder, the other set lifts two ends of the girder

main corollary equipment statistical table

No.	item	model	main technical parameters	quantity (set)	unit	total	weight	Remark
1	winch	China, model: JM16 (reducer is at external part)	1. tensile force for single rope: 160kN 2. rope speed: 0-12m/min; 3. rope diameter: 32mm 4. rope capacity: 530m 5. motor: 45kW (frequency conversion speed belt brake)	4		8.5	8.50	
				1		15	15.00	
				2		4.26	8.52	
				4		26.25	105.00	
				1		58	58.00	
2	crane moving motor	RA814/TC/206.6 (Dinamic)	1. motor power: 5.5kW(frequency conversion speed belt brake) 2. min output torque Ma=7000Nm	16		22.92	45.84	
				2		44.5	89.00	
3	lifting trolley motor	RE5024/FS/835.2ME160 (dinamic)	1. motor power: 5.5kW(frequency conversion speed belt brake) 2. min output torque Ma=49142Nm	4		270	270.00	
				1		270	270.00	
4	wire rope	model: non-rotating type steel wire rope	diameter: Spin 9k Φ32mm	1170m × 2		599.86	1:100	
5	disc-electric set	型号: 静音型康明斯发电机P4400GF	power: 360kW	1				



main technical parameters

1. rated lifting capacity (not including spreader self-weight)	1200t	7. lifting speed with full load	0-0.5m/min
2. span	28m	8. complete machine moving speed on the ground with full load	0-3m/min
3. lifting height	19m+5m	9. complete machine moving speed on the ground with empty load	0-3m/min
4. with full load, lifting trolley transverse moving distance (two trolleys move at the same time): full span		10. power (±15%)	300kW
5. lateral moving speed	0.5-1m/min	13. max wheel pressure of crane	30t
6. lifting speed with empty load	0-1.0m/min	15. self-weight	600t

No.	Code number	Item	Unit	Material	Unit	Total	Weight	Remark
(one lifting point)								
Xi'an Jiaotong University								
1200t gantry crane to lift girders								
MGHZ1200								