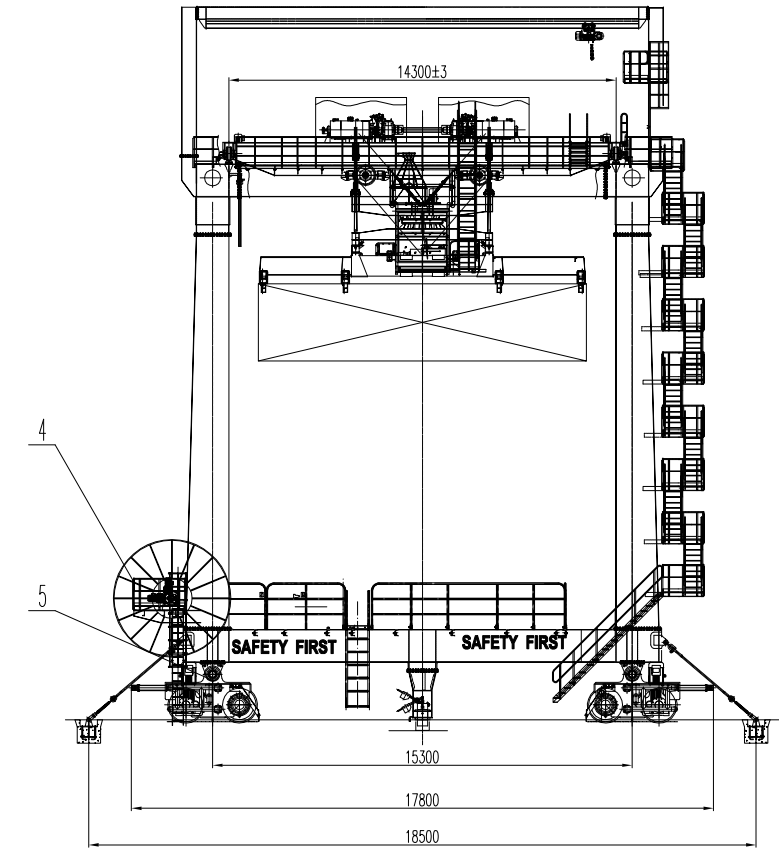




Technical requirement

1. The crane shall be designed, manufactured, installed, inspected and accepted according to GB/T19683
2. The whole power circuit and operation circuit of the crane shall be connected to all lines of electrical equipment when measuring its insulation resistance to ground and phase to phase resistance, with the value not less than 0.5M. The insulation resistance can be reduced by 50% in humid areas
3. The shell of all electrical equipment of the crane shall be grounded, crane track is allowed to be used, and the metal structure of the plant is grounding conductor

Lifting capacity (t)	3.0
Lifting height (m)	24
Duty class	A3
Traveling speed (m/min)	20
Lifting speed (m/min)	8.0
Lifting motor	4.5
Traveling motor	0.4
Power supply	3P 380V 50HZ

Mechanism			Lifting		Mechanism		Trolley travel	Crane travel		
Item					Item					
Lifting capacity		t	45t (Under spreader)		Span/Trolley gauge		mm	14300	32000	
Lifting speed		m/min	0~12(Full load), 0~24(Only Spreader)		Travelling speed		m/min	0~40	0~60	
Duty class			M6		Duty class			M6	M6	
Lifting height		m	16		Wheel base		mm	3500	15300	
Power supply			3P 50Hz 380V							
Wire rope	Construction		ø24NAT6*19W+FC1670		Rail size			43kg/m	43kg/m	
	Rope falls		12		Max. wheel load		kN	240	355	
Drum dia		mm	ø630*2000		Wheel diameter		mm	4*ø600	8*ø700	
Motor	Type		YZP315M1-8		Motor	Type			YZPEJ160M-4	YZPEJ180L-4
	Power		2*90kW			Power		kW	2*11	4*22
	Rotation speed		r/min			Rotation speed		r/min	1460	1465
Reducer	Type		H3SH12-45-G/H		Reducer	Type			FA107	FA127
	Ratio		i			Ratio		i	68.01	55.76
Brake			4*YWZ4-400/E121		Brake			Integrated with motor	Integrated with motor	
Limiter			DXZ-4/1:210		Limiter			LX10-11	LX10-11	

	5				Long travel	Subassembly	1					
	4				Electric system	Subassembly	1					
	3				Maintenance facility	Subassembly	1					
	2				Trolley	Subassembly	1					
	1				Gantry frame	Subassembly	1					
Part Number	Drawing number			Description		Material	Qty	Single	Total	Remarks		
								Weight (kg)				
						RMC Rail Mounted Container Transfer Gantry Crane RMC45t(Under spreader)-32m A6 General layout	1	 Yuantai Crane Machinery				
								Sheet 1 of 1		Weight	Scale	
								Edition			212t	Not In Scale
Amended Mark	Qty	Zone	Amended file	Signature	Date			Drawing Number: RMC45-32 A6				
Designed by			Standardized by			Project Title:						
Drawn by			Electrical Designer									
Checked by			Reviewed by									
Quality Assurance			Approved by									