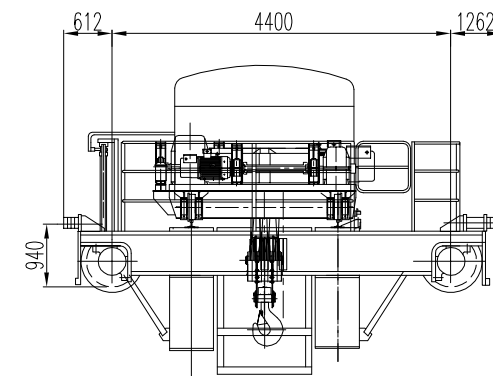




1. Distance from workshop backspin to crane peak should $\geq 300\text{mm}$
2. Control mode: pendant control & remote control
3. Crane gross weight excludes "electromagnet" weight, lifting weight including "electromagnet" weight

Main technical parameters									
Mechanism name Item		Lifting Mechanism		Mechanism name Item		Trolley Traveling	Crane Traveling		
		Main Hook	Auxi Hook						
Lifting capacity	t	16	5.0	Trolley rail gauge/span	mm	2000	22500		
Lifting speed	m/min	10.7	12.6	Traveling speed	m/min	20	42.1		
Duty class		M7	M7	Duty class		M6	M7		
Lifting height	m	6.876	7.602	Wheel Base	mm	2400	4400		
Power supply				3AC	50HZ	380V			
Wirerope	Wire rope composition		18NAT-6*19W-FC1770	13NAT-6*19W-FC1770	Buffering Stroke	mm	60	188	
	Branches		6	4	Rail type		P24	P43(Recommending)	
	SWL pulling power	kN	27.8	12.9	Wheel Diameter	mm	4*ø350	4*ø700	
Rope drum diameter		mm	ø500*1500	ø400*1000	Max. wheel Pressure	k N	58.5	188.6	
Motor	Type		YZR250M2-6	YZR160L-6	Motor	Type		YZR132M1-6	YZR160M1-6
	Nominal Power	kW	37kW	11kW		Nominal Power	kW	2.2kW	2*5.5kW
	Rotation Speed	r/min	960	945		Rotation Speed	r/min	908	930
Reducer	Type		ZQ650-I-3CA	ZQ500-I-3CA	Reducer	Type		ZSC400-IV-1	ZQ500-I-1/2Z
	Ratio	i	48.57	48.57		Ratio	i	49.86	48.57
Brake	Type		YWZ4-300/45	YWZ4-300/25	Brake	Type		YWZ4-200/25	YWZ4-200/25
	Brake Torque	N.m	2*630	2*320		Brake Torque	N.m	200	2*200
	Thruster Type		YT1-45Z/6	YT1-25ZC/4		Thruster Type		YT1-25ZB/4	YT1-25ZB/4
Limit Switch			LX7-1	LX7-1	Limit Switch			LX10-11	LX10-11

5	MW5-210L/1	Electromagnet for steel scraps	Subassembly	1	7000	7000	
4		Bridge structure	Subassembly	1			
3		Long travel mechnism	Subassembly	1			
2		Trolley	Subassembly	2			
1		Electric system	Subassembly	1			
Part Number	Drawing number	Description	Material	Qty	Single	Total	Remarks
					Weight (kg)		
					QC double girder overhead crane QC16/5t-22.5m A7 Yuantai Crane Machinery Sheet 1 of 1 Weight Scale Edition 31.6t Not In Scale		
Amended Mark	Qty	Zone	Amended file	Signature	Date		
Designed by			Standardized by				
Drawn by			Electrical Designer				
Checked by			Reviewed by				
Quality Assurance			Approved by				
						Drawing Number: QC16/5-22.5 A7	
						Project Title:	