

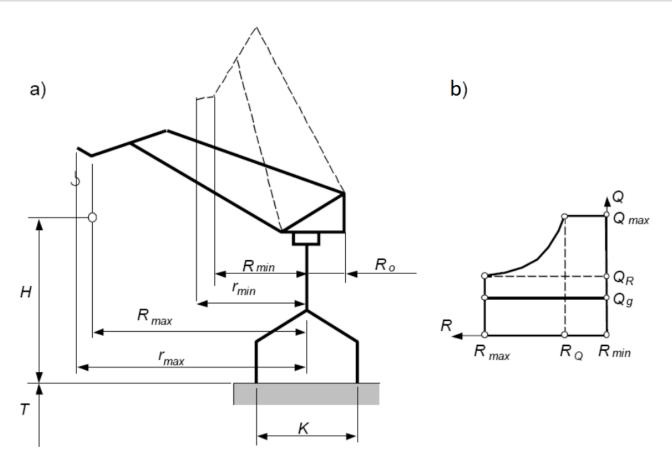


Technical specifications

1.	Type of crane in structure	pe of crane in structure					
2.	Using of crane and crane's mechanisms						
2.1	Type of drive	Electrical					
2.2 ISO	Estimated qualification groups of the crane and its me 4301-1	chanisms according to					
2.2.1	Crane in general (A3-A8)	A					
2.2.2	Main crane hoist (M1-M8)	M					
2.2.3	Auxiliary crane hoist (M1-M8)	М					
2.2.4	Crane outreach control mechanism (M1-M8)	М					
2.2.5	Crane slewing mechanism (M1-M8)	М					



2.2.6	Trolley rotating mechanism/load-handling device (jaws, hook etc.) (M1-M8)	М
2.2.7	Crane travelling mechanism (M1-M8)	М
2.2.8	Other groups:	M



2.3	Crane main hoist (illustration a)	
2.3.1	Lifting capacity, t: maximum Qmax	
	on maximum outreach Qr	
	on grab mode Qg	
	Crane boom outreach, m: maximum Rmax	
2.3.2	minimal Rmin	
2.3.2	(only for cramped conditions)	
	maximal lifting capacity section end Rq	
2.3.3	Lifting height, m	Н
2.3.4	Lowering depth, m	Т



2.4 Cr	ane auxiliary hoist (illustration b)					
2.4.1	Lifting capacity, t	Q				
	Outreach, m maximal, rmax					
2.4.2	minimal, (only for cramped conditions)					
2.4.3	Lifting height, m	Н				
2.4.4	Lowering depth, m	т				
2.5	Portal track, m	К				
2.6	Portal basement, m	В				
2.7	Crane size along its way (with uncompressed buffers)	Offered by the manufacturer				
2.8	Crane slewing device type					
	Slewing ring					
	Swivel column					
	Circular/tapered rail					
2.9	Boom system type					
	Single boom crane					
	Double boom crane					
2.10 C	Crane swing					
2.10.1	In general					
	Full turn					
	Non-full-turn (±90°/±180°/±270°/±370°)					
	Other					
2.10.2	Load-handling device					
	Full-turn					



	Non-full-turn (±90°/±180°/±270°/±370°)					
	Other					
2.11 M	2.11 Mechanisms speed					
2.11.1	Main crane hoist, m/sec (m/min)					
2.11.2	Auxiliary crane hoist, m/sec (m/min)	v				
2.11.3	Crane outreach control mechanism, m/sec (m/min)	v				
2.11.4	Crane slewing mechanism, m/sec (m/min)	v				
2.11.5	Load-handling device (hook, traverse, spreader etc.) rotating mechanism, rpm	v				
2.11.6	Crane travel, m/sec (m/min)	V				
2.11.7	Other					
2.12 H	eight from the rail head level					
2.12.1	Lifting of the suspension, m					
2.12.2	Lowering of the suspension, m					
2.13	Swing radius (rear size)	Ro				
2.14	Crane rail type					
2.15	Permissible wheel load, kN (t)					
3. Operating conditions						
3.1	Operating temperature range, °C	from	up to			
3.2	Placement category outdoor					
3.3 Wi	nd load					
2 2 4	Maximum wind speed					
3.3.1	in crane operation mode, m/sec	V				



V out of use, m/sec 3.4 Seismic resistance, (Richter scale) from up to 3.5 Dustiness level 3.5.1 Type of the dust (material) 3.5.2 Density, mg/m³ 3.6 Other special conditions 4. **Crane purpose** Load handling: Bulk load, specify: 4.1. General cargoes, specify: 4.2 **Execution of technological operations:** 5. Load characteristics 5.1.1 General cargo or load package of the 1st type Maximum weight on a load-handling 5.1.1.1 device, t Maximum 5.1.1.2 dimensions, mm length width (diameter) height (depth) **5.1.1.3** Availability of special slinging points yes no **5.1.1.4** Load temperature, °C from up to 5.1.1.5 Other: 5.1.2 General cargo or load package of the 2nd type Maximum weight on a load-handling 5.1.2.1 device, t



5.1.2.2	Maximum dimensions, mm	length	width (dia	imeter)	ŀ	neight (depth)
5.1.2.3	Availability of specia	l slinging points	yes		no	
5.1.2.4	Load temperature, °	С	from		up to	
5.1.2.5	Other:					
5.2.1	Bulk load of the 1 st ty	/pe				
5.2.1.1	Name of material					
5.2.1.2	Load conditions (no in pieces etc.)	rmal, frozen, caked,				
5.2.1.3	Density, t/m³		Maximum temperature	e, °C		
5.2.1.4	Other:					
5.2.2	Bulk load of the 2 nd t	ype				
5.2.2.1	Name of material					
5.2.2.2	Load conditions (normal, frozen, caked, in pieces etc.)					
5.2.2.3	Density, t/m³		Maximum temperature, °C			
5.2.2.4	Other:					
6. L	oad handling devi	ce type and char	acteristics			
		Main hook		One-horn h	nook	Double-hornhook
6.1	Hooks Auxiliary hook		One-horn hook Double-ho		Double-hornhook	
	Characteristics are of Double-rope		offered by the manufacturer			
			Four-rope		;	
6.2	Grab Permanent	Permanent		Mounted on a hook		k
	Manual drive Foreign drive		Electric drive		Hydraulic drive	
			Russian drive			



		Drive trade mark					
		Intended for unloading wagons		Not intended for unloading wagons			
		Double jaw	Multi jaw				
			Orientation regarding crane ropes (for double-jaw four-rope grab)		Longitudinal Lateral opening opening		
		Volume capacity, m	13			manufacturer 6.2.1 & 6.2.2	
		Other:					
		Characteristics are	offered by the ma	nufacturer			
		Rectangular profile shape	Round profile sha	pe	Spec	ial e shape	
		Load capacity					
	Magnet	Quantity, pcs					
6.3		Foreign drive	Foreign drive		Russian drive		
		Drive trade mark	Drive trade mark				
		Туре	Туре				
		Load temperature,	Load temperature, °C			up to	
		Other:	Other:				
		Characteristics are offered by the manufacturer					
		Permanent	Permanent		Mounted on a hook		
		Foreign made	Foreign made		Russian made		
		Spreader trade man	Spreader trade mark				
		Manual drive	Electric dri	ve	Hydra	aulic drive	
6.4	Spreader	Container standard	Container standard size				
		Replaceable by standard size			Sliding		
		Located along	Located along		Located across		
		Other:	Crane runway Other:				



		Characteristics are offered by the manufacturer						
		Permanent		Mounted or	n hook			
		Vacuum traverse	Hook traverse		Magnet traverse			
		Located along bridge girder	Located across bridge girder		Need for rotation			
		Complete set of travel	Complete set of traverse					
		6.5.1 With hooks	Quantity, pcs.		Lifting capacity, t			
		6.5.2 With magnets						
6.5	Traverse		Separate ci	ane mechani	sm			
		6.5.3 With claws	Electric driv	'e				
			Hydraulic d	rive				
			Lifting capa	city, t				
		6.5.4 With slings	Sling's length, mm					
		0.0.4 With 3iing3	Sling type					
			Quantity, pcs.					
		6.5.5 Other						
		Characteristics are offered by the manufacturer						
		Permanent		Mounted on hook				
		Foreign made		Russian made				
6.6	Pliers	Trade mark						
		Manual drive	Electric driv	е	Hydraulic drive			
		Located along the crane runway		Located across the crane runway				
		Other:						
6.7	Other (load-handling device)							
7. C	onstructional requi	rements						
7.1	Alignment restriction movements of mechanical							



7.2	Crane's current supply type			trolley		cable
7.3	Load-handling device current supply necessity			yes		no
7.4	Type of the control syste	m		frequency		
7.5	Complete set of the contr	rol cabin				
8. A	dditional requirements					
8.1	Lifting capacity limiter av	ailability		for each wi	inch	other requirements
8.2	The parameter recorder setting is necessary (Obligatory for cranes with 10t or more lifting capacity (A6-A8)			yes		no
8.3	Complete set of the crane	е				
No.	Name	Unit	Qty.	TM Manufacturer		
1						
2						
3						
4						
5						
8.4	Technical documentation, provided by the Customer					
Dimensio	Dimensional drawing Other:					
8.5	Painting					
8.5.1	Enamel + primer					
8.5.2	Enamel color: yellow	/				





8.6	Additional requirements of the Customer	
9. C	ustomer information	
9.1	Company name	
9.2	Address	
9.3	Contact person	
9.4	Phone	
9.5	E-mail	

Thank you for the provided information!

Please, send us this form to our e-mail address: info@tehnoros.com