

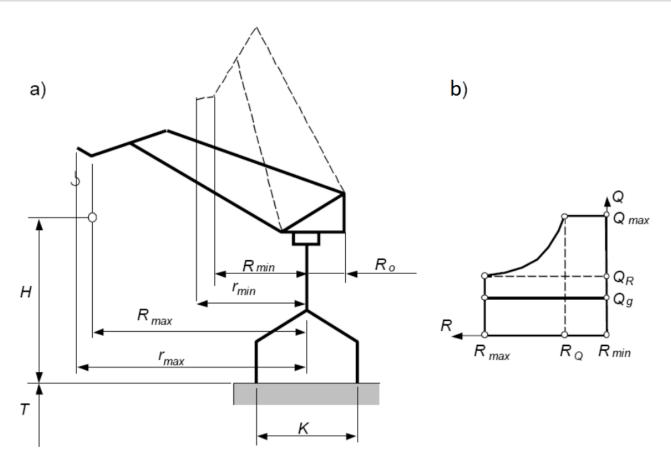


Technical specifications

1.	ype of crane in structure				
2.	Using of crane and crane's mechanisms				
2.1	Type of drive	Electrical			
2.2 Estimated qualification groups of the crane and its mechanisms according to ISO 4301-1					
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)	M
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 (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 h	oist (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, ı	m	Н		
2.4.4	Lowering dept	h, m	Т		
2.5	Portal track, r	n	К		
2.6	Portal basem	ent, m	В		
2.7	Crane size ald buffers)	ong its way (with uncompressed	Offered by the manufacturer		
2.8	Crane slewing	g device type			
		Slewing ring			
		Swivel column			
		Circular/tapered rail			
2.9	Boom system type				
		Single boom crane			
		Double boom crane			
2.10 0	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 N	lechanisms 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	ermissible wheel load, kN (t)					
3. Operating conditions						
3.1	Operating temperature range, °C	from	up to			
3.2	Placement category outdoor					
3.3 Wind load						
2 2 4	Maximum wind speed					
3.3.1	in crane operation mode, m/sec V					



out of use, m/sec V 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 (di	ameter)	ŀ	neight (depth)
5.1.2.3	Availability of special slinging points		yes		no	
5.1.2.4	Load temperature, °C		from		up to	
5.1.2.5	Other:					
5.2.1 E	Bulk load of the 1 st ty	ре				
5.2.1.1	Name of material					
5.2.1.2	Load conditions (normal in pieces etc.)	mal, frozen, caked,				
5.2.1.3	Density, t/m³		Maximum temperatur	e, °C		
5.2.1.4	Other:					
5.2.2 E	Bulk load of the 2 nd ty	/pe				
5.2.2.1	Name of material					
5.2.2.2	Load conditions (normal in pieces etc.)					
5.2.2.3	Density, t/m³		Maximum temperatur	e, °C		
5.2.2.4	Other:					
6. Lo	oad handling devi	ce type and char	acteristics	•		
		Main hook		One-horn	hook	Double-hornhook
6.1	Hooks	Auxiliary hook		One-horn hook Double-hornho		Double-hornhook
	Characteristics are of		ffered by the manufacturer			
	Grab Double-rope Permanent Manual drive	Double-rope		Four-rope		
6.2		Permanent	Permanent		Mounted on a hook	
			Electric drive		Hydraulic drive	
		Foreign drive		Russian drive		



Drive trade mark Intended Not intended for unloading for unloading wagons wagons Double jaw Multi jaw Longitudinal Lateral Orientation regarding crane ropes opening opening (for double-jaw four-rope grab) Calculated by the manufacturer Volume capacity, m³ according to items 6.2.1 & 6.2.2 Other: Characteristics are offered by the manufacturer Round Special Rectangular profile shape profile shape profile shape Load capacity Quantity, pcs 6.3 Magnet Foreign drive Russian drive Drive trade mark Type Load temperature, °C from up to Other: Characteristics are offered by the manufacturer Permanent Mounted on a hook Foreign made Russian made Spreader trade mark Manual drive Electric drive Hydraulic drive 6.4 **Spreader** Container standard size Replaceable Sliding by standard size Located along Located across crane runway crane runway Other:



		Characteristics are offered by the manufacturer					
		Permanent		Mounted on hook			
		Vacuum traverse	Hook traverse		Magnet traverse		
		Located along bridge girder	Located across bridge girder		Need for rotation		
		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	re .			
			Hydraulic d	rive			
			Lifting capacity, t				
		6.5.4 With slings	Sling's length, mm				
		O.O.A With Sings	Sling type				
		Quanti		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	Э	Hydraulic drive		
		Located along the crane runway		Located across the crane runway			
		Other:			·		
6.7	Other (load-handling device)						
7.	Constructional requ	irements					
7.1	Alignment restriction movements of mech						



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	nch	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	imensional drawing Other:						
8.5	Painting						
8.5.1	Enamel + primer						
8.5.2	Enamel color: yellow	Enamel color: yellow /					





8.6	Additional requirements of the Customer	
9. C	Sustomer 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