

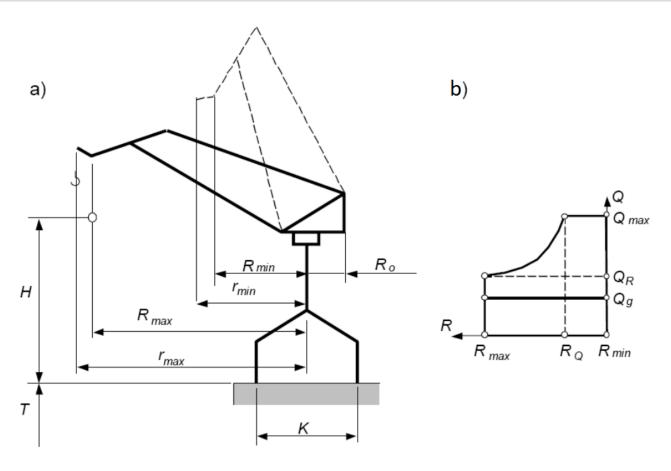


## **Technical specifications**

1.	Type of crane in structure		Portal crane			
1.			Portal assembly crane			
2.	Us	sing of crane and o	crane's mechanis	ms		
2.1		Type of drive		Electrical		
2.2 ISO		timated qualification 1-1	groups of the crane	and its mecha	anisms according to	
2.2.1		Crane in general (A3-	-A8)		A	
2.2.2		Main crane hoist (M3-M8)			М	
2.2.3		Auxiliary crane hoist (	(M3-M6)		М	
2.2.4		Crane outreach contro	ol mechanism (M3-M8	3)	М	
2.2.5		Crane slewing mecha	nism (M3-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)				
	Lifting capacity, t : maximum Qmax				
2.3.1	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	Boom system type					
		Single boom crane					
		Double boom crane					
2.10 0	Crane swing						
2.10.1	In general						
	Full turn						
	Non-full-turn (±						
	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)	V						
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	Trolley/load-handling device (hook, traverse, spreader etc.), 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)	R <sub>0</sub>						
2.14	Crane rail type							
2.15	Permissible wheel load, kN (t)							
3. C	3. Operating conditions							
3.1	Operating temperature range, °C	from	up to					
3.2	Placement category							
3.3 Wi	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,		from		up to		
3.5 Du	stiness level						
3.5.1	Type of the dust (mate	erial)					
3.5.2	Density, mg/m³						
3.6	Other special conditi	ions					
4. C	Crane purpose						
4.4	Load handling:						
4.1.		General cargoes,					
4.2	Execution of technol	ogical operations:					
	Warehouse maintenar	Freight train loading					
	Ship loading	Freight transport loading					
	Assembly operations	Other:					
5. L	oad characteristic	s					
5.1.1 (	General cargo or load	package of the 1 <sup>st</sup> ty	ype				
5.1.1.1	Maximum weight on a device, t	load-handling					
5.1.1.2	Maximum dimensions, mm length width (diameter		ter)	h	eight (depth)		
5.1.1.3	Availability of special s	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 2 <sup>nd</sup> t	ype				
5.1.2.1	Maximum weight on a load-handling 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 <sup>st</sup> 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 <sup>nd</sup> 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 o	ffered by the manufacturer			
		Double-rope	Double-rope		Four-rope	
6.2	Grab	Permanent	Permanent		Mounted on a hook	
		Manual drive	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, m<sup>3</sup> 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 or	n hook		
		Vacuum traverse	Hook traverse		Magnet traverse		
		Located along bridge girder	Located across bridge girder		Need for rotation		
		Complete set of trave	erse				
		6.5.1 With hooks	Quantity, po	s.	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				
		0.5.4 With sings	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	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 availability			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	onal drawing					
8.5	Painting					
8.5.1	Enamel + primer					
8.5.2	Enamel color: yellow	1				





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: <a href="mailto:info@tehnoros.com">info@tehnoros.com</a>