

Please fill in present questionnaire to help us develop the appropriate technical and commercial proposal for your inquiry.

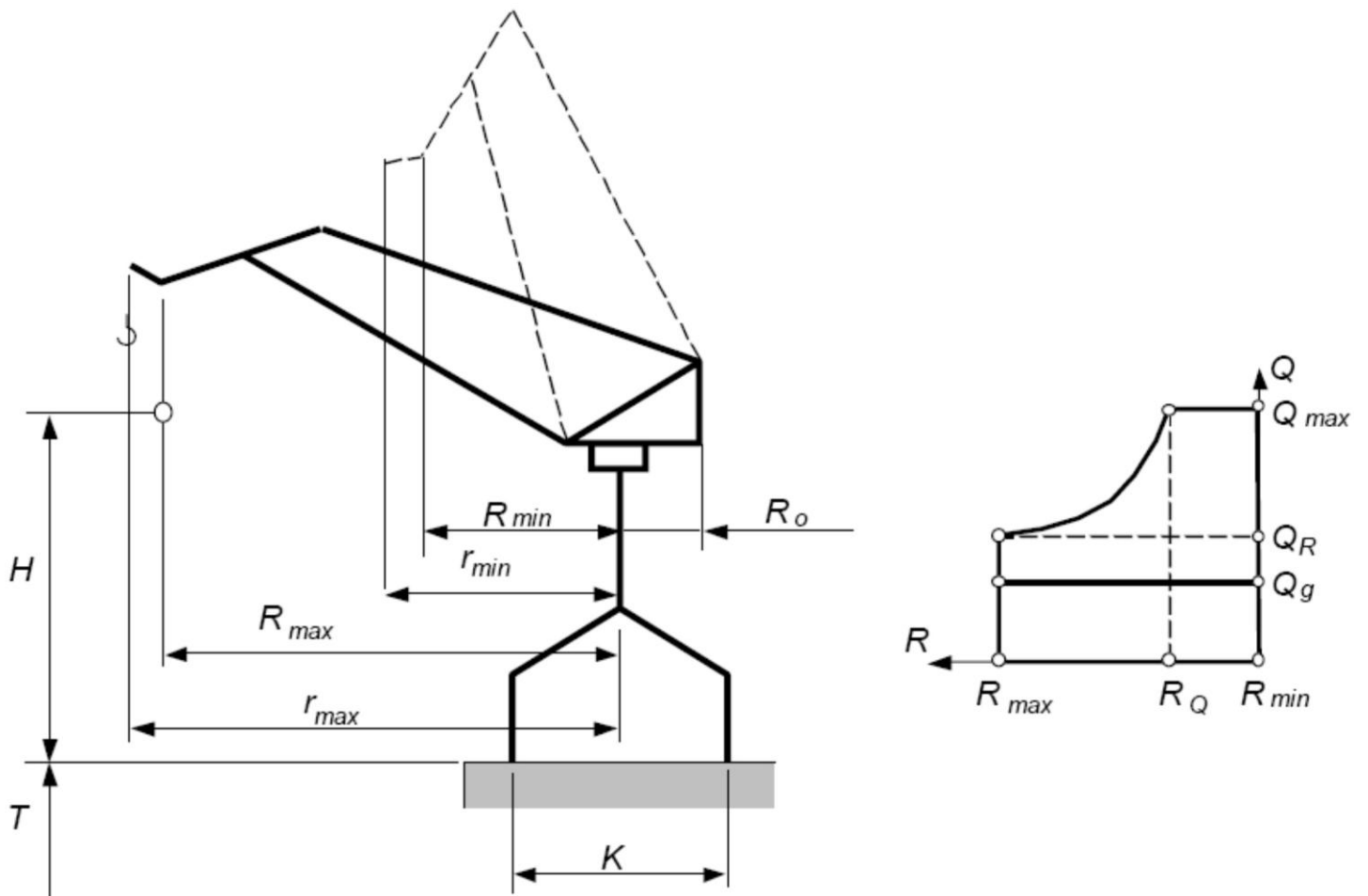
Please note:

- 1) The paragraph numbers, highlighted in **blue colour**, are obligatory to be filled in.
- 2) We will determine value of unfilled specifications in our sole discretion.

Name of the organization	
Address	
Contact name	
Phone	
E-mail	

### TECHNICAL SPECIFICATIONS

<b>1</b>	<b>Crane type</b>	<input type="checkbox"/> Portal reloading
		<input type="checkbox"/> Portal assembly
<b>2</b>	<b>Crane and its machinery operation</b>	
2.1	Drive type: <b>electric</b>	
2.2	<b>Intended classification groups of crane and its machinery in compliance with ISO 4301/1</b>	
2.2.1	crane (A3 - A8)	A _____
2.2.2	main hoist mechanism (M3 - M8)	M _____
2.2.3	auxiliary hoist mechanism (M3 - M6)	M _____
2.2.4	derricking mechanism (M3 - M8)	M _____
2.2.5	crane swing mechanism (M3 - M8)	M _____
2.2.6	swing mechanism of trolley / load-handling device (hook, lifting bar, spreader etc.) (M1 - M8)	M _____
2.2.7	crane traveling gear (M4 - M6)	M _____
2.2.8	other:	M _____



**2.3 Main hoist mechanism (see figure)**

2.3.1	Lifting capacity, t	maximum	$Q_{max}$	=	_____
		on boom reach	$Q_R$	=	_____
		in grab mode	$Q_g$	=	_____

2.3.2	Crane radius, m	maximum	$R_{max}$	=	_____
		minimum (in case of space-limited environment)	$R_{min}$	=	_____
		maximum capacity zone	$R_Q$	=	_____

2.3.3 Lifting height, m  $H =$  \_\_\_\_\_

2.3.4 Load-lowering height, m  $T =$  \_\_\_\_\_

**2.4 Auxiliary hoist mechanism (see figure)**

2.4.1 Lifting capacity, t  $Q =$  \_\_\_\_\_

2.4.2	Radius, m	maximum	$r_{max}$	=	_____
		minimum (in case of space-limited environment)	$r_{min}$	=	_____

2.4.3 Lifting height, m  $H =$  \_\_\_\_\_

2.4.4 Load-lowering height, m  $T =$  \_\_\_\_\_

2.5 Portal track width, m  $K =$  \_\_\_\_\_

2.6 Portal base, m  $B =$  \_\_\_\_\_

2.7 Crane limit lengthwise of the rail-track (under uncompressed dashpots), m **OFFERED BY MANUFACTURER**

2.8 Rotation crown type:  slewing ring  
 slewing post

	<input type="checkbox"/> circular/conical rail	(line through unwanted)
2.9	Type of the boom structure: direct straight boom/ articulated boom structure	(line through unwanted)
<b>2.10 Swing grade</b>		
2.10.1	Crane	(line through unwanted)
	full-circle/ limited slewing ( $\pm 90^\circ$ / $\pm 180^\circ$ / $\pm 270^\circ$ / $\pm 370^\circ$ / other: _____ )	
2.10.2	Load-handling device (in the presence of drive)	(line through unwanted)
	full-circle/ limited slewing ( $\pm 90^\circ$ / $\pm 180^\circ$ / $\pm 270^\circ$ / $\pm 370^\circ$ / other: _____ )	
<b>2.11 Machinery speed abilities:</b>		
2.11.1	Main hoist mechanism, m/s (m/min)	V= _____
2.11.2	Auxiliary hoist mechanism, m/s (m/min)	V= _____
2.11.3	Derricking mechanism, m/s (m/min)	V(average)= _____
2.11.4	crane swing mechanism, r/min	V= _____
2.11.5	Load-handling swing mechanism (hook, hanger rod etc.), r/min	V= _____
2.11.6	Crane travel speed, m/s (m/min)	V= _____
2.11.7	other:	V= _____
<b>2.12 Height from crane rail head</b>		
2.12.1	hanger rod lifting, m =	
2.12.2	hanger rod lowering, m =	
2.13	Turning radius hinged section (tail radius)	$R_0 =$ _____
2.14	Type of runway rail:	
2.15	Load-carrying ability from wheel, kN (t) =	
<b>3 Crane running conditions</b>		
3.1	Operating temperature, °C from to	
3.2	Placement category as per GOST Standard 15150: «1» – open air	
<b>3.3 Wind effects per GOST Standard 1451</b>		
3.3.1	wind region (I - VII):	
3.3.2	w maximum wind	while in operation, m/s V = _____ out of operation, m/c V = _____
3.4	Seismic activity in the area of installation, ball up to	
<b>3.5 Dust condition (in case of elevated level):</b>		
3.5.1	Type of dust (material)	
3.5.2	density, mg/Nm <sup>3</sup> =	
3.6	Other special conditions:	
<b>4 Crane purpose</b>		
4.1	shifting of cargo:	
	<input type="checkbox"/> bulk cargo, specify: _____	
	<input type="checkbox"/> piece cargo, specify: _____	
4.2	carrying-out the technological operations:	
	<input type="checkbox"/> operating a depot	<input type="checkbox"/> vehicular loading

rail transport loading

stowing a ship

assembly operations

other:

**5 Specific Customer's technical requirements / information**


Filled in by:

\_\_\_\_\_

(rank of specialist technician) (full name) (signature) (date)