



HOIST

Calculation number: Cal_KU3.2t-3-9.5m
 Crane work number: 3.2t x3m Hol:9.5m
 User/Version: RUSAT/ 4.0.37
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CRANE DATA

KU3.2t x 3m Hol:9.5m

1 General

Crane load (SWL)	3 200 kg	
Span	3 m	
Hoisting height	9.5 m (Max9.5 m)	
Crane group	FEM A5	
Hoist group	FEM M5 (2m)	
Bridge traversing group	FEM M5 (2m)	
Trolley traversing group	FEM M5 (2m)	
Hoisting speed	5/0.8 m/min	2-speed
Trolley traversing speed	0-20 m/min	Stepless
Bridge traveling speed	0-20 m/min	Stepless
Weight of crane (with hoists)	1 100 kg	
Weight of one hoist and trolley	280 kg	
Weight of one main girder	300 kg	
Weight of Service platform	N/A	
Main girder type (Box)	300/410/6/16/6/6-Q235	
Surface preparation type	Shot Blasting Sa2.5	
Painting type/depth	E/120 µm	
Runway rail type		
Max./Min. static wheel load	8.64/1.07 kN	
Buffer diameter/center Height	63 mm/125 mm	

2 Crane control

Control method.....Pendant

3 Electrical

Main/Control voltage.....380 V/50 Hz/48 AC V
 Nominal power of crane.....4.95 kW
 Max./Nominal current of crane*).....46.5 A/12.8 A

4 Hoisting motor

Motor type/code/Number.....SD02/AD168L223N/1set
 Duty group.....FEM M5 (2m)
 Nominal power.....3.7/0.5 kW
 Duty factor.....**60 % ED**

5 Trolley traversing motor

Motor type/Number.....AF115L411N/1set
 Duty group.....FEM M5 (2m)
 Nominal power.....0.65 kW
 Duty factor.....**40 % ED**

6 Bridge traveling motor

Motor type/Number.....AF115M411N/2set
 Duty group.....FEM M5 (2m)
 Nominal power.....0.3 kW
 Duty factor.....**40 % ED**