



Calculation number: Cal_KU2t-6-9.5
 Crane work number: 2t x6m Hol:9.5m
 User/Version: RUSAT/ 4.0.39D
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KU2t x 6m Hol:9.5m

CRANE DATA

1 General

Crane load (SWL)2 000 kg
 Span6 m
 Hoisting height9.5 m (Max9.5 m)

Crane groupFEM A5
 Hoist groupFEM M6 (3m)
 Bridge traversing groupFEM M5 (2m)
 Trolley traversing groupFEM M5 (2m)

Hoisting speed5/0.8 m/min 2-speed
 Trolley traversing speed0-20 m/min Stepless
 Bridge traveling speed0-20 m/min Stepless

Weight of crane (with hoists)1260 kg
 Weight of one hoist and trolley270 kg
 Weight of one main girder540 kg
 Weight of Service platformN/A

Main girder type (Box)300/410/6/12/6/6-Q235
 Surface preparation typeShot Blasting Sa2.5
 Painting type/depthE/120 µm
 Runway rail type.....
 Max./Min. static wheel load12.60/2.23 kN
 Buffer diameter/center Height63 mm/115 mm

2 Crane control

Control method.....Pendant

3 Electrical

Main/Control voltage380 V/50 Hz/48 AC V
 Nominal power of crane2.75 kW
 Max./Nominal current of crane*)23.5 A/8.7 A

4 Hoisting motor

Motor type/code/NumberSD01/AD168M223N/1set
 Duty groupFEM M6 (3m)
 Nominal power1.5/0.2 kW
 Duty factor**60 % ED**

5 Trolley traversing motor

Motor type/Number.....AF115L411N/1set
 Duty groupFEM M5 (2m)
 Nominal power0.65 kW
 Duty factor**40 % ED**

6 Bridge traveling motor

Motor type/Number.....AF115M411N/2set
 Duty groupFEM M5 (2m)
 Nominal power0.3 kW
 Duty factor**40 % ED**