

## CRANE DATA

### 1 General

Crane type ..... QXSka5-TON x 25ft Hol:19ft  
 Span ..... 25'-0"  
 Crane load (SWL) ..... 10 000 lbs  
 Number of MAIN hoists ..... 1 ps

#### Hoist 1

Trolley type ..... Standard  
 Hoist load ..... 10 000 lbs  
 Hoisting height MAIN ..... 19'-0" [max 19'-8 1/4" ]  
 Hoist type MAIN ..... SX40410050P35FBL0S  
 Weight of one hoist and trolley ..... 820 lbs  
 Hoist group MAIN ..... ASME H4  
 Hoisting speed ..... 20/3.3 ft/min      2 - speed

Trolley traversing group ..... CMAA C  
 Trolley traversing speed ..... 65 ft/min      Stepless

Trolley rail gauge ..... N/A  
 Crane use ..... Indoor

Crane group ..... CMAA C  
 Bridge traveling group ..... CMAA C

Bridge traveling speed ..... 100 ft/min      stepless

Dynamic coefficient for load ..... 1.15  
 Dynamic coefficient dead load ..... 1.10  
 Sideways pull factor ..... 1.05  
 Crane acceleration time ..... 4.7 s

Weight of crane (with hoists) ..... 3 660 lbs  
 Weight of crane bridge (without hoists) ..... 2 850 lbs  
 Weight of one end carriage ..... 280 lbs  
 Weight of one crane traveling machinery ..... 20 lbs  
 Weight of bridge panel ..... 60 lbs  
 Weight of one main girder ..... 1 720 lbs  
 Weight of crane service platform ..... N/A

Main girder type (Profile) ..... W16x67-MatA992  
 Service platform type ..... N/A  
 Surface preparation type ..... SSPC6  
 Painting type ..... A 5 mil, Safety Yellow

### 2 Electrical

Main voltage ..... 460 V /60 Hz  
 Control voltage ..... 115 V  
 Nominal power of crane ..... 8.6 hp  
 Main fuse size at bridge panel ..... 15 A  
 Maximum current of crane<sup>\*)</sup> ..... 52.9 A  
 Nominal current of crane<sup>\*)</sup> ..... 13.9 A  
 Power factor at starting current ..... 0.78  
 Power factor at nominal current ..... 0.93  
 Voltage drop of crane (conductor) power supply .. % <= 4.0 %