

## **CRANE DATA**

### **1 General**

Crane type .....	KD20t x10.5m Hol:12m	
Span .....	10.5m	
Crane load (SWL) .....	20000kg	
Number of hoists .....	1 ps	
Hoisting height .....	12m (max12m)	
Hoist type .....	K5104D0200M412CD06N	
Trolley rail gauge .....	2000mm	
Crane use .....	Indoor	
Crane group .....	FEM A5	
Hoist group .....	M4(FEM 1Am )	
Hoist traversing group .....	M5(FEM 2m)	
Bridge traveling group .....	M5(FEM 2m)	
Hoisting speed .....	4/0.7	2-speed
Trolley traversing speed .....	0-20 m/min	Stepless
Bridge traveling speed .....	0-32 m/min	Stepless
Dynamic coefficient for load .....	1.18	
Dynamic coefficient dead load .....	1.1	
Sideways pull factor .....	N/A	
Crane acceleration .....	0.12m/s <sup>2</sup>	
Weight of crane (with hoists) .....	6852 kg	
Weight of crane bridge (without hoists) .....	5307 kg	
Weight of one hoist and trolley .....	1545 kg	
Weight of one end carriage .....	608 kg	
Weight of one crane traveling machinery .....	20 kg	
Weight of bridge panel .....	50kg	
Weight of one main girder .....	1488 kg	
Weight of crane service platform .....	745 kg	
Main girder type (Box) .....	410/610/6/6/6/8-Q235	
Service platform type .....	Bottom joint	
Surface preparation type .....	Sa2.5	
Painting type .....	Epoxy	

### **2 Electrical**

Main voltage .....	380V/50Hz	
Control voltage .....	48AC	
Nominal power of crane .....	18.5kW	
Maximum current of crane*) .....	N/A	
Nominal current of crane*) .....	42.2Ass	
Power factor at starting current .....	0.67	
Power factor at nominal current .....	0.91	
Voltage drop of trolley power supply .....	<= 2%	
Voltage drop of crane power supply .....	N/A	