

## CRANE DATA

### 1 General

Crane type .....	KD16t x22.5m Hol:12m	
Span .....	22.5m	
Crane load (SWL) .....	16000kg	
Number of hoists .....	1 ps	
Hoisting height .....	12m (max12m)	
Hoist type .....	K5104D0160M512CD06N	
Trolley rail gauge .....	2000mm	
Crane use .....	Indoor	
Crane group .....	FEM A5	
Hoist group .....	M5(FEM 2m)	
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 .....	0.1m/s <sup>2</sup>	
Weight of crane (with hoists) .....	13918 kg	
Weight of crane bridge (without hoists) .....	12373 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 .....	4436 kg	
Weight of crane service platform .....	1597 kg	
Main girder type (Box) .....	410/1080/6/8/6/8-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