

## CRANE DATA

### 1 General

Crane type .....	KS16t x28.5m Hol:12m	
Span .....	28.5m	
Crane load (SWL) .....	16000kg	
Number of hoists .....	1 ps	
Hoisting height .....	12m (max12m)	
Hoist type .....	K5104N0160M512CD06N	
Trolley rail gauge .....	N/A	
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 .....	0.07m/s <sup>2</sup>	
Weight of crane (with hoists) .....	14345 kg	
Weight of crane bridge (without hoists) .....	12735 kg	
Weight of one hoist and trolley .....	1610 kg	
Weight of one end carriage .....	763 kg	
Weight of one crane traveling machinery .....	20 kg	
Weight of bridge panel .....	50kg	
Weight of one main girder .....	10705 kg	
Weight of crane service platform .....	N/A	
Main girder type (Box) .....	610/1230/6/30/6/16-Q235	
Service platform type .....	N/A	
Surface preparation type .....	Sa2.5	
Painting type .....	Epoxy	

### 2 Electrical

Main voltage .....	380V/50Hz
Control voltage .....	48AC
Nominal power of crane .....	19.8kW
Maximum current of crane*) .....	N/A
Nominal current of crane*) .....	46.9Ass
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