

CRANE DATA

1 General

Crane type	KD16t x28.5m Hol:12m	
Span	28.5m	
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	0.13m/s ²	
Weight of crane (with hoists)	20115 kg	
Weight of crane bridge (without hoists)	18570 kg	
Weight of one hoist and trolley	1545 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	7067 kg	
Weight of crane service platform	2023 kg	
Main girder type (Box)	490/1230/6/12/6/10-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	18.9kW	
Maximum current of crane*)	N/A	
Nominal current of crane*)	44.6Ass	
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	