

CRANE DATA

1 General

Crane type	KD50t x19.5m Hol:12m	
Span	19.5m	
Crane load (SWL)	50000kg	
Number of hoists	1 ps	
Hoisting height	12m (max12.6m)	
Hoist type.....	K6206D0500M512AD06N	
Trolley rail gauge.....	2700mm	
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	2.5/0.4	2-speed
Trolley traversing speed	0-20 m/min	Stepless
Bridge traveling speed	0-32 m/min	Stepless
Dynamic coefficient for load	1.17	
Dynamic coefficient dead load	1.1	
Sideways pull factor	N/A	
Crane acceleration	0.09m/s ²	
Weight of crane (with hoists)	18252 kg	
Weight of crane bridge (without hoists)	15089 kg	
Weight of one hoist and trolley	3163 kg	
Weight of one end carriage.....	649 kg	
Weight of one crane traveling machinery	20 kg	
Weight of bridge panel	50kg	
Weight of one main girder	5879 kg	
Weight of crane service platform	1384 kg	
Main girder type (Box)	490/1230/8/12/8/12-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	38.8kW	
Maximum current of crane*)	N/A	
Nominal current of crane*)	89.8Ass	
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	