

CRANE DATA

1 General

Crane type	KD50t x28m Hol:12m	
Span	28m	
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	0.13m/s ²	
Weight of crane (with hoists)	33234 kg	
Weight of crane bridge (without hoists)	30071 kg	
Weight of one hoist and trolley	3163 kg	
Weight of one end carriage	940 kg	
Weight of one crane traveling machinery	38 kg	
Weight of bridge panel	50kg	
Weight of one main girder	12628 kg	
Weight of crane service platform	1988 kg	
Main girder type (Box)	610/1780/8/16/8/16-Q235	
Service platform type	Side joint	
Surface preparation type	Sa2.5	
Painting type	Epoxy	

2 Electrical

Main voltage	380V/50Hz	
Control voltage	48AC	
Nominal power of crane	43.2kW	
Maximum current of crane*)	N/A	
Nominal current of crane*)	105.4Ass	
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	