

CRANE DATA

1 General

Crane type	KD32t x22.5m Hol:12m	
Span	22.5m	
Crane load (SWL)	32000kg	
Number of hoists	1 ps	
Hoisting height	12m (max12m)	
Hoist type	K5108D0320M512AD06N	
Trolley rail gauge	3100mm	
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	2/0.3	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	0.12m/s ²	
Weight of crane (with hoists)	18440 kg	
Weight of crane bridge (without hoists)	16191 kg	
Weight of one hoist and trolley	2249 kg	
Weight of one end carriage	670 kg	
Weight of one crane traveling machinery	20 kg	
Weight of bridge panel	50kg	
Weight of one main girder	6263 kg	
Weight of crane service platform	1597 kg	
Main girder type (Box)	490/1230/6/12/6/16-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	21.6kW
Maximum current of crane*)	N/A
Nominal current of crane*)	50Ass
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