

## CRANE DATA

### 1 General

Crane type .....	KD50t x22.5m Hol:12m	
Span .....	22.5m	
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 .....	0.13m/s <sup>2</sup>	
Weight of crane (with hoists) .....	23063 kg	
Weight of crane bridge (without hoists) .....	19900 kg	
Weight of one hoist and trolley .....	3163 kg	
Weight of one end carriage.....	898 kg	
Weight of one crane traveling machinery .....	38 kg	
Weight of bridge panel .....	50kg	
Weight of one main girder .....	7853 kg	
Weight of crane service platform .....	1597 kg	
Main girder type (Box) .....	490/1230/8/20/8/16-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 .....	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