

## CRANE DATA

### 1 General

|                                               |                        |
|-----------------------------------------------|------------------------|
| Crane type .....                              | KS12.5t x10.5m Hol:12m |
| Span .....                                    | 10.5m                  |
| Crane load (SWL) .....                        | 12500kg                |
| Number of hoists .....                        | 1 ps                   |
| Hoisting height .....                         | 12m (max12m)           |
| Hoist type .....                              | H4104L0125M412CD05N    |
| Trolley rail gauge .....                      | N/A                    |
| Crane use .....                               | Indoor                 |
| <br>                                          |                        |
| Crane group .....                             | FEM A5                 |
| Hoist group .....                             | M4(FEM 1Am )           |
| Hoist traversing group .....                  | M5(FEM 2m)             |
| Bridge traveling group .....                  | M5(FEM 2m)             |
| <br>                                          |                        |
| Hoisting speed .....                          | 4/0.7 2-speed          |
| Trolley traversing speed .....                | 0-20 m/min Stepless    |
| Bridge traveling speed .....                  | 0-32 m/min Stepless    |
| <br>                                          |                        |
| Dynamic coefficient for load .....            | 1.18                   |
| Dynamic coefficient dead load .....           | 1.1                    |
| Sideways pull factor .....                    | N/A                    |
| Crane acceleration .....                      | 0.12m/s <sup>2</sup>   |
| <br>                                          |                        |
| Weight of crane (with hoists) .....           | 4010 kg                |
| Weight of crane bridge (without hoists) ..... | 3270 kg                |
| Weight of one hoist and trolley .....         | 740 kg                 |
| Weight of one end carriage .....              | 285 kg                 |
| Weight of one crane traveling machinery ..... | 20 kg                  |
| Weight of bridge panel .....                  | 50kg                   |
| Weight of one main girder .....               | 2384 kg                |
| Weight of crane service platform .....        | N/A                    |
| <br>                                          |                        |
| Main girder type (Box) .....                  | 410/740/6/32/6/10-Q235 |
| Service platform type .....                   | N/A                    |
| Surface preparation type .....                | Sa2.5                  |
| Painting type .....                           | Epoxy                  |

### 2 Electrical

|                                            |           |
|--------------------------------------------|-----------|
| Main voltage .....                         | 380V/50Hz |
| Control voltage .....                      | 48AC      |
| Nominal power of crane .....               | 11.4kW    |
| Maximum current of crane*) .....           | N/A       |
| Nominal current of crane*) .....           | 27.2Ass   |
| Power factor at starting current .....     | 0.77      |
| Power factor at nominal current .....      | 0.93      |
| Voltage drop of trolley power supply ..... | <= 2%     |
| Voltage drop of crane power supply .....   | N/A       |