



crane	ELK 10 t x 16500 mm	
design basis	DIN 15018, H2/B3	
hoist + trolley	GM 3000.10000 L-162.41.10000.4.E 160.20	
FEM group	2m / M5	
operation location	indoor operation	
ambient conditions	-5° C up to +40° C, without special requirements	
crane travel	10 / 40 m/min	
trolley travelling	5 / 20 m/min	
hoisting	0.7 / 4 m/min	
total weight	4550 kg (thereof hoist + trolley 699 kg)	
mains voltage; admissible voltage swing	3/PE ~50 Hz 380 V (TN-S); -3% / +5%	
total power consumption	9.5 kW (starting current * cos phi: 69.4 A)	
load data	wheel loads (kN)	
	crane axis 1 (min/max)	12.5 / 58.6
	(without vibration coefficient)	
	crane axis 2 (min/max)	12.7 / 59.0
	lateral loads (kN)	
	skewing force on guide side (coefficient of frictional contact <= 0,3)	17.3 / -
	horizontal loads from screwing (guide side/opposite side)	
front crane axis in driving direction	3.1 / 14.3	
back crane axis in driving direction	0.0 / 0.0	
longitudinal loads (kN)		
mass forces crane travel (max.)	2.6 / 2.6	
(per crane runway beam)		
collision forces (max.)	19.0 / -	
(motion limiter taken into account)		

<sup>1)</sup> maximum hook path of hoist 10 m, actual use according to conditions on site

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