



crane	ELV 12,5 t x 5000 mm		
design basis	DIN 15018, H2/B3		
hoist + trolley	GM 3000.12500 H-161.41.10000.4.E 160.20		
FEM group	1Am / M4		
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	2380 kg (thereof hoist + trolley 725 kg)		
mains voltage; admissible voltage swing	3/PE ~50 Hz 380 V (TN-S); -3% / +5%		
total power consumption	11.8 kW (starting current * cos phi: 94 A) +SKR-F1 = 35 A qG		
load data	wheel loads (kN)	crane axis 1 (min/max)	16.6 56.1
	(without vibration coefficient)	crane axis 2 (min/max)	16.8 56.5
	lateral loads (kN)	mass forces crane travel (min/max)	0.9 2.8
	skewing force on guide side (coefficient of frictional contact <= 0,3)	front crane axis in driving direction	4.5 15.1
		back crane axis in driving direction	0.0 0.0
longitudinal loads (kN) (per crane runway beam)	mass forces crane travel (max.)	2.5	
	collision forces (max.) (motion limiter taken into account)	16.3	

maximum hook path of hoist 10 m, actual use according to conditions on site

© ABUS Kransysteme GmbH - rempel0222\_20220303\_14225791\_TMO\_TE3

211806 - 011

ABUS Kransysteme GmbH  
Sonnenweg 1  
51647 Gummersbach  
phone +49 2261 37-218  
fax +49 2261 37-90222

## crane ELV

order:  
36076843 / 1 / 110-055468

# ABUS

person in charge: Rempel, O.  
Date: 04/02/2022