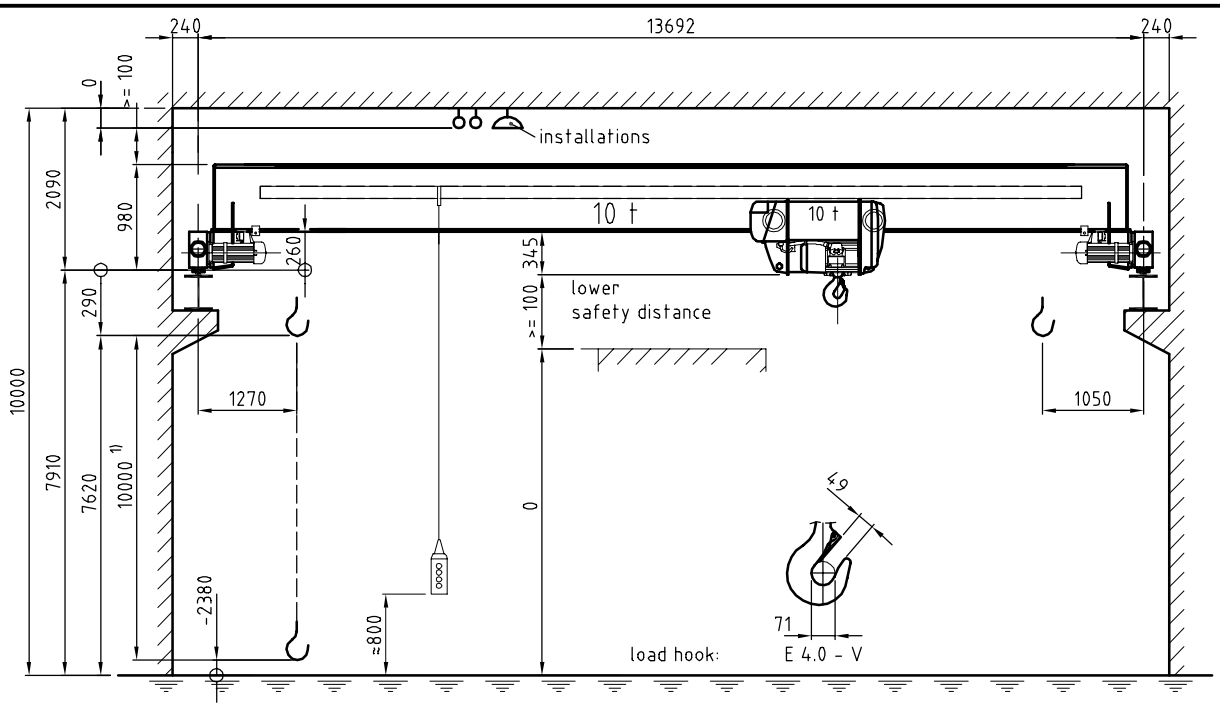
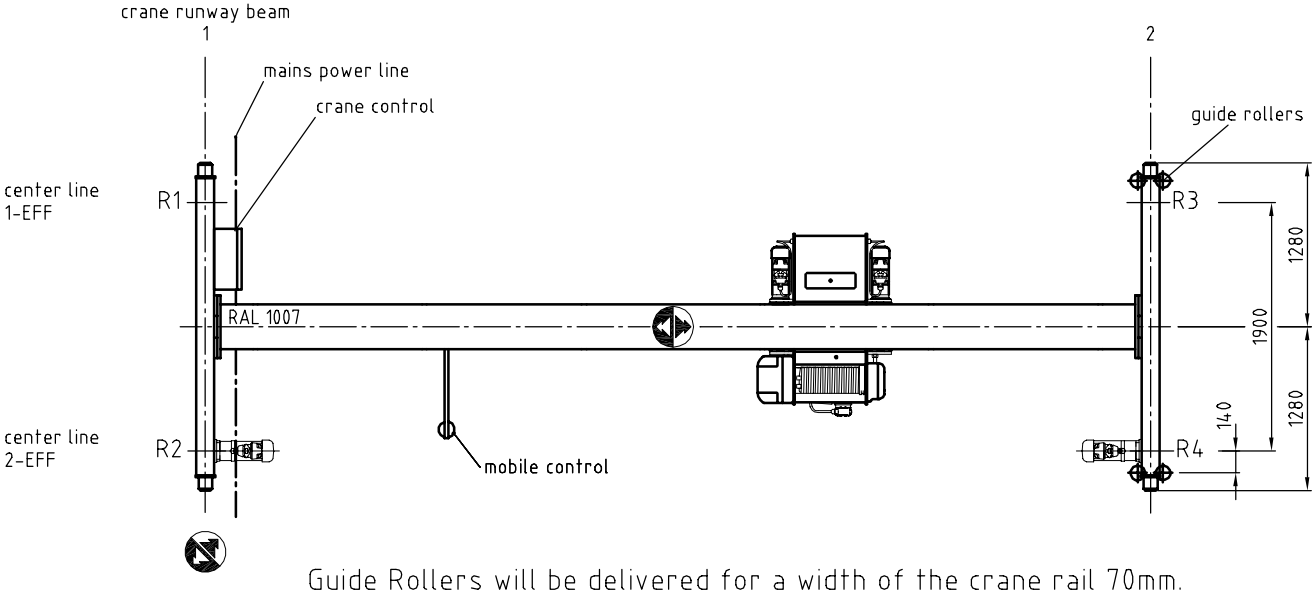
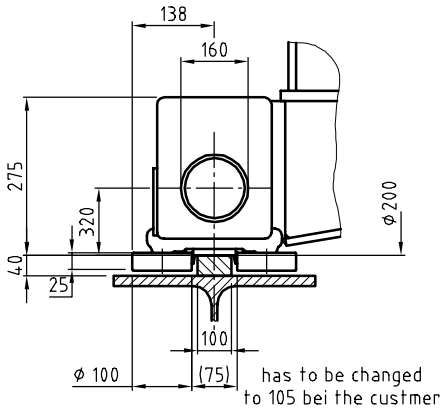




Guide Rollers will be delivered for a width of the crane rail 70mm.
Guide Rollers have to be changed by customer for a rail width of 100mm.
wheels of the crane without wheel flanges.



crane		ELV 10 t x 13692 mm		
design basis		DIN 15018, H2/B3		
hoist + trolley		GM 3000.10000 H-252.41.10000.4.E 160.20		
FEM group		2m / M5		
installation 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		1 / 6.3 m/min		
total weight		4770 kg , (thereof hoist + trolley 728 kg)		
mains voltage; admissible voltage swing		3/PE~50 Hz 400 V (TN-S); -6.5% / +5%		
total power consumption		14.2 kW (starting current x cos phi: 91 A)		
load data	wheel loads(kN) (without vibration coefficient)	crane axis 1 (min/max)	13.9	58.3
		crane axis 2 (min/max)	14.1	58.7
	lateral loads(kN)	mass forces crane travel (min/max)	2.3	9.5
	skewing force on guide side (coefficient of frictional contact <= 0,3)		12.2	-
	horizontal loads from scewing guide side/opposite side	front crane axis in driving direction	2.5	10.6
		back crane axis in driving direction	-0.2	-0.7
	longitudinal loads (kN) (per craneway girder)	mass forces crane travel (max)		2.6
		Ⓧ collision forces with limit switch (max)		24.6
		◯		

1) maximum hook path of hoist 10 m, actual use according to location

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crane ELV

order: 16206119 / 1

person in charge: Uwe Caspari
date: 15/12/2007

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