



**MEASURING TRANSFORMERS FACTORY
ZAJECAR - Serbia**

FACTORY CERTIFICATE
FOR THE ROUTINE TESTING OF THE TRANSFORMER

TECHNICAL DATA										USER :	
1	185	kVA	TYPE	MVROT-250	No.	133-1/17					
2			Freq.	60	Hz	Year	2017				
3			Connection		No.of phases	1			SPECIAL TESTING :		
4	4160	2500	V Insul.deg.	7.2/20/60	Sort	PT					
5			Z _k	2,7	% Insul.cl.	H			DIMENSIONS (mm) :		
			I _{kn}	40	x/n Cooling	AN			A=850 B=480		
	44.5	74	A t _k	3	Sec. Mass	870kg			C=950 D=460		
			Standard	IEC 60076-11							

TESTING RESULTS

TRANSFORMATION RATIO AND ACCURACY CLASS WINDINGS CHECKED

DIELECTRICAL TESTING	A. SEPARATE SOURCE AC WITHSTAND VOLTAGE TEST			
	(Prim.) - (Sec. + ⊥)	WITH	20 kV, 60Hz	60 sec.
	(Sec.) - (⊥)	WITH	4 kV, 60Hz	60 sec.
	(Sec.) - (CURR.Sec.)	WITH	4 kV, 60Hz	60 sec.
	B. INDUCED AC WITHSTAND VOLTAGE TEST			
2 x Un; 150 Hz	CONNECTED TO	8,32 kV	48 sec.	

MEASUREMENT OF WINDING RESISTANCE AT 20 °C (mΩ)	CONNECTED	WINDING	
		PRIMARY	SECONDARY
		A - B	215,7
a - N	/	55,1	

No-load current		1,9 %
No-load losses	P ₀	480W
Load losses at 85°C	P _k	1028,0W
Total losses	P _t	1508,0W
Impedance voltage at rated current	U _{zr}	2,75 %

Note :

POLARITY MARKERS

PRIMARY SIDE: A=H1; B=H2

SECONDARY SIDE: a=X1; N=X0

CONTROLLED BY

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Kontrolor

ZAJECAR

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CHIEF OF CONTROL DEPARTMENT

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