

Quotation: EM18001

Reference: PR-191018

CAST RESIN TRANSFORMER

2500 kVA

Losses Family		AoAk-Reg548	Installation		indoor
Vector group		Dyn11	Type of cooling		AN
Frequency	Hz	50	Installation altitude	m.s.l	<1000
Phases		3	Total harmonic distorsion	THDv	<5%

	HV Winding	LV1 Winding	LV2 Winding
Nominal rated power at cont. Service	2500kVA	2500kVA	
Nominal voltage (at no load)	33kV	400V	
Off-load tapping links	+2 / -3 x 4,545 %		
Connection	Delta	Star	
Insulation class [kV]	36	≤ 1,1	
AC [kv]	70	3	
BIL [kV]	170	-	
Winding material	Al	Al	
Type of winding	Cast in mould under vacuum	Impregnated under vacuum	

INSULATION AND TEMPERATURE CLASS

Max Ambient temperature °C

40

	HV Winding	LV1 Winding	LV2 Winding
Insulation temperature class	°C	155°C (F)	155°C (F)
Temperature rise of windings	K	100	100
Environmental, Climatic, Fire classes	E2-C2-F1		(Type Test Certificate CESI A9032391)

GUARANTEED VALUES AT VOLTAGE RATIO OF:

33000 / 400 V

(Tolerances according to the mentioned Standards)

2500 kVA

	W		Tolerance, Po	%	
No-load loss, Po	W	3565	Tolerance, Po	%	0%
No-load current, Io	%	0,7	Tolerance, Io	%	30%
Load loss, °C	W	20900	Tolerance, °C	%	0%
Impedance voltage, Uk	%	6	Tolerance, Uk	%	±10%
Partial discharge value	pC				<10
Sound level Power, Lwa	dB(A)				71

OVERALL DIMENSIONS AND WEIGHTS (Preliminary)

Length x Width x Height (IP00)	mm	2300	1400	2510	CRT Mass [kg]	7100
Length x Width x Height (IP31)	mm				Box Mass [kg]	
Rollers distance	mm	1070 x 1070				

PAINTING (subject to availability)

Magnetic core	RAL	9005	Box	RAL	
Frames	RAL	9005			

According to EU 548/2014

