

CAST RESIN TRANSFORMER**500 kVA**

Losses Family		AoAk (EU1)	Installation		indoor
Vector group		Dyn11	Type of cooling		AN
Frequency	Hz	50	Installation altitude	m.s.l	<1000
Phases		3	Total harmonic distortion	THDv	<5%

	Primary winding(s)	Secondary winding(s)	
Nominal rated power at cont. Service	500kVA	500kVA	
Nominal voltage (at no load)	15kV	400V	
Off-load tapping links	+2X2,5%		
Connection	Delta	star+n	
Insulation class	17,5kV	<1,1kV	
AC	(38kV)	(3kV)	
BIL	L1 (75kV)	-	
Winding material	AL/AL		
Type of winding	Inglobato in stampo sotto vuoto	Impregnato sotto vuoto	

INSULATION AND TEMPERATURE CLASS

Ambient temperature °C

40°C

	Primary winding(s)	Secondary winding(s)	
Insulation temperature class	°C	155°C	155°C
Temperature rise of windings	K	100	100
Environmental, Climatic, Fire classes	E2-C2-F1		

GUARANTEED VALUES AT VOLTAGE RATIO OF:

(Tolerances according to the mentioned Standards)

	V	15kV / 400V		
	kVA	500kVA		
No-load loss, Po	W	900	Tolerance, Po	% 0%
No-load current, Io	%	0,9	Tolerance, Io	% +30%
Load loss, Pk at 120°C	W	5850	Tolerance, Pk 120°C	% 0%
Impedance voltage, Uk	%	6	Tolerance, Uk	% +/-10%
Partial discharge value	pC			<5
Sound level Power, Lwa	dB(A)			60

OVERALL DIMENSIONS AND WEIGHTS (Preliminary)

Length x Width x Height (IP00)	mm	1450	750	1680	CRT Weight (kg)	1750
Length x Width x Height (IP23)	mm				Box Weight (kg)	
Rollers distance	mm	670 x 670				

PAINTING (subject to availability)

Magnetic core	RAL	9005	Box		RAL	
Frames	RAL	9005				

#D_STD_50588

Frame antisismico (Picco acceleraz orizz): <=0,2g (sisma leggero)