

Quotation: E-19003-rev4

Reference: PR-19514

CAST RESIN TRANSFORMER

1000 kVA

Losses Family		Special	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%

	HV Winding	LV1 Winding	LV2 Winding
Nominal rated power at cont. Service	1000kVA	1000kVA	
Nominal voltage (at no load)	33kV	400V	
Off-load tapping links	± 2 x 4,54 %		
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)

1000 kVA

	W	3100	Tolerance, Po	%	15%
No-load loss, Po	W	3100	Tolerance, Po	%	15%
No-load current, Io	%	1	Tolerance, Io	%	30%
Load loss, °C	W	11500	Tolerance, °C	%	15%
Impedance voltage, Uk	%	6	Tolerance, Uk	%	±10%
Partial discharge value	pC				<10
Sound level Power, Lwa	dB(A)				73

OVERALL DIMENSIONS AND WEIGHTS (Preliminary)

Length x Width x Height (IP00)	mm	1750	1000	2240	CRT Mass [kg]	3050
Length x Width x Height (IP31)	mm				Box Mass [kg]	
Rollers distance	mm	820 x 820				

PAINTING (subject to availability)

Magnetic core	RAL	9005	Box	RAL
Frames	RAL	9005		

According to IEC 60076-11

ACCESSORIES AND TESTS

In the price quoted, is included a set of routine tests at our test room according to IEC 60076-11 standard. For each transformer, a specific Test Report will be issued

Code Nr.	Description	Qty	Unit price CRT
-	HV terminals	3	Included in the price
-	LV bus bar terminals	4	Included in the price
-	Off load tapping links	3	Included in the price
-	Rating plate	1	Included in the price
-	Lifting lugs	4	Included in the price
-	Earth terminals	2	Included in the price
-	Orientable rollers	4	Included in the price
200073	3 Pt100 probes wired to terminal box IP65 <=2000	1	Included in the price
220023	MT200 LITE CONTROL UNIT	1	Included in the price
CB02464	+40% kVA. Temporary Increase ventilation bars 50Hz	1	Included in the price
190019	NYLON ROLLER DIA160	4	Included in the price
	Antiseismic transformer AG2 (1000kVA-3150kVA)		

Notes

Antiseismic frame (Horizontal Peak Ground Acc): <=0.2g (light earthquakes)