

Quotation: E-19016

Reference: PR-191010

**CAST RESIN TRANSFORMER**

**1600 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	1600kVA	1600kVA	
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	<b>155°C (F)</b>	<b>155°C (F)</b>
Temperature rise of windings	K	<b>100</b>	<b>100</b>
Environmental, Climatic, Fire classes	<b>E2-C2-F1</b>		(Type Test Certificate CESI A9032391)

**GUARANTEED VALUES AT VOLTAGE RATIO OF:**

33000 / 400 V

( Tolerances according to the mentioned Standards )

1600 kVA

	W		Tolerance, Po	%	
No-load loss, Po	W	2530	Tolerance, Po	%	0%
No-load current, Io	%	0,9	Tolerance, Io	%	30%
Load loss, °C	W	14300	Tolerance, °C	%	0%
Impedance voltage, Uk	%	6	Tolerance, Uk	%	±10%
Partial discharge value	pC				<10
Sound level Power, Lwa	dB(A)				68

**OVERALL DIMENSIONS AND WEIGHTS (Preliminary)**

Length x Width x Height (IP00)	mm	2100	1310	2330	CRT Mass [kg]	5200
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

**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
200074	3 Pt100 probes wired to terminal box IP65 >=2500	1	Included in the price
220023	MT200 LITE CONTROL UNIT	1	Included in the price
CB01414	+40% kVA. Temporary Increase ventilation bars 50Hz	1	Included in the price
220035	VRT-200 CONTROL UNIT	4	Included in the price

**Notes**

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