



CAST RESIN TRANSFORMERS

IMEFY spa

Zona Ind.le Rigutino Ovest, 259

52100 - Arezzo - Italia

PI / CF 01514050515 - CCIAA 110372 - Cap. Soc. € 500.000 i.v.

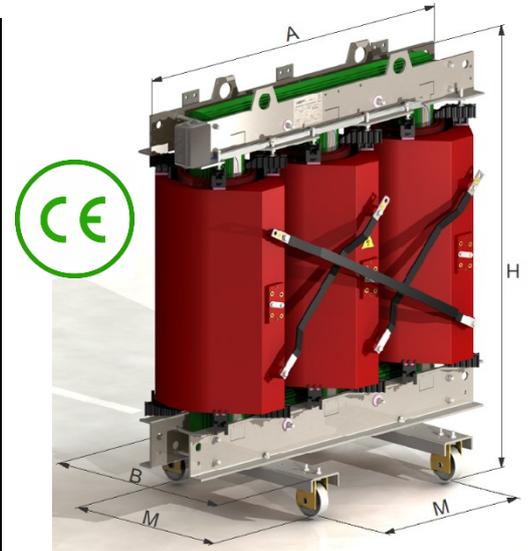
Tel. +39 0575 680701 - Fax +39 0575 657856

www.imefy.it

Certified : CESI E3-E2-C2-F1 - ISO 9001 - ISO 14001

RATED CHARACTERISTICS - THREE PHASE CAST RESIN TRANSFORMER

Description		A
Quantity	N°	--
Application - THD		Distribution - < 5%
Regulation UE 548/2014 and 2019/1783		AA0AK
Mode code		250-AA-12
Environmental, Climatic , Fire Behaviour Classes - CESI cert. B0005487		E3 - C2 - F1
Rated power	kVA	250
Rated frequency	Hz	50
HV rating	V	10.000
HV tapping	%	± 2 x 2,5
No - load LV rating	V	400
Conductor material (HV / LV)		Al / Al
Windings protection (HV / LV)		Casted / Impregnated
Installation location		Indoor
Cooling system		AN
HV winding insulation level	kV	12 - 28 - 75
LV winding insulation level	kV	1,1 - 3
Vector group		Dyn11
HV connection		Delta
LV connection		Star + Neutral
HV - LV winding insulation class		F - F
Maximum ambient temperature	°C	40
Max temperature rise	K	100 - 100 - 100
Installation altitude	m	≤ 1000
Values guaranteed at voltage ratio of	kV	10 / 0,4
Partial discharge	pC	≤ 10
No - load losses at Vn	W	468
Load losses (120°C)	W	3.400
Uk (120°C)	%	6
No - load current at Vn	%	1,5
Sound level (LpA - LwA)	dBA	49 - 56
Transformer dimensions (L x W x H)	mm	1350 x 700 x 1300
Transformer weight :	Kg	1.200
Enclosure protection degree	IP	
Enclosure colour	RAL	
Enclosure dimensions (L x W x H)	mm	
Enclosure weight :	Kg	
Distance between wheels (M x M)	mm	520 x 520



Peak Efficiency Index (PEI)

Heat Disposal (m ³ /60s)
12

Efficiency				
Load (%)	100%	75%	50%	25%
Cos φ 1	98,453	98,730	98,946	98,911
Cos φ 0,95	98,371	98,664	98,890	98,854
Cos φ 0,9	98,281	98,589	98,828	98,790
Cos φ 0,8	98,066	98,413	98,682	98,639

Voltage Regulation				
Load (%)	100%	75%	50%	25%
Cos φ 1	1,531	1,116	0,723	0,351
Cos φ 0,95	3,248	2,411	1,591	0,787
Cos φ 0,9	3,880	2,890	1,913	0,950
Cos φ 0,85	4,325	3,227	2,140	1,064
Cos φ 0,8	4,669	3,488	2,316	1,153

OPTIONAL ACCESSORIES

STANDARD ACCESSORIES

N° 3 probes PT100 - Connections bar for HV and LV terminals - Lifting lugs - Bi-directional rollers - Rating plate
Tap Changer - Off Load tapping links - N° 2 grounding terminals - Tow hole - Auxiliary terminal box.

TESTS AND REFERENCE

Regulation UE 548/2014 and 2019/1783 - Directive 2009/125/CE / EN 50588-1 and EN 50708-1÷3 / EN 60076-1÷16
Tests and tolerance in accordance with above mentioned standards

COMMENTS / REMARKS

Dimensions and weight are approximate