

FURNACE TRANFORMER FOR EAF



Three-Phase Oil Immersed Furnace Transformer for EAF Furnace Make "TES" (Transformer Electro Service) – nowadays "TAMINI"

37MVA + 10% 35000 / 700 400 V Status: **NEVER USED** Availability: **in Italy** Q.ty available: **1**

Year of production: 2016 Warranty: NO WARRANTY

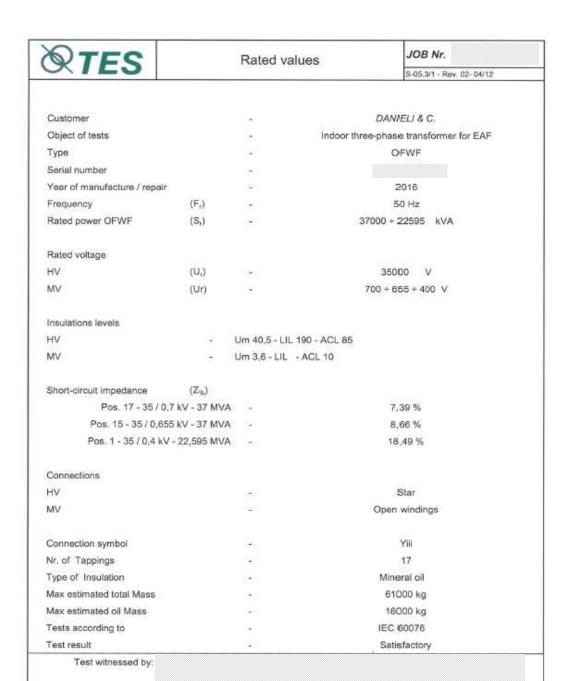
Delivery terms/packing/payment: to be defined

Price: upon request

Documentation available upon request

MADE IN ITALY

Viviana Stocco (Spare Parts Dept) v.stocco@danieli.com



Customer

DANIELI & C.

Notes:

16-17/02/2016

Serial number



Transformer Electro Service S.r.l.

- Ospitaletto (BS) - Italy -

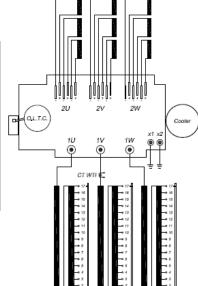
IEC 60076

INDOOR TWO WINDINGS THREE - PHASE TRANSFORMER FOR ELECTRIC ARC FURNACE

WITH ON - LOAD TAP CHANGER MR type " VRC III 700 Y - 72,5/C - 18 17 0 "

Equipment code	=GD11E10+ACT01				
Serial number	15HN207/1				
Year of manufacture	2016				
Type of cooling	OFWF				
Frequency	50	Hz			
Rated power	37000 ÷ 22595	kVA			
Rated voltage HV	35000	v			
Rated current HV	610,3 ÷ 372,7	Α			
Rated voltage LV	700 ÷ 655 ÷ 400	v			
Rated current LV	30517 ÷ 32614	Α			
Insulation level	HV LI 190 - AC 85 LV AC 10	kV kV			
Connection symbol	Yd (open)				
Impedance voltage	ra (open)				
at the ratio 35000 / 700	V = 37 MVA	%			
Rated working conditions 37 + 22,595 MVA:					
Max oil rise temperature 50					
Windings rise temperature 55					
Overload working conditions 40,7 + 24,855 MV					
Max oil rise temperatu	ure 60	K			
Windings rise temperature 65					
Cooler capacity	1 x 10	0%			
Max inlet water tempe	erature 35	°C			
Water flow rate cooler 60					
Max inlet water pressure 8					
Water pressure drop	0,35	bar			
Oil flow rate cooler	60	m³/h			
Total mass	61000	kg			
Untanking mass 33000					
Oil mass 16000					
Min height of crane he	ook 10	m			
Max pressure inside	0,4	kPa			
· ·					

				,	IV SIDE			LV SIDE	
QĮ.	OL.T.C. Power		Power No	No load		Current overload	No load	Current	Current
Por,	Con.	(RVA)	10 % (AVA)	(V)	(4)	10 % (A)	Voltage (V)	(4)	10 % (A)
1	1	22595	24855		372,7	410	400		
2	2	23386	25725	1	385,8	424,4	414	1	
3	3	24234	26657	1	399,8	439,7	429	1	
4	4	25137	27651	1	414,7	456,1	445	1	
5	5	26098	28707]	430,5	473,6	462]	
6	6	27171	29888	1	448,2	493	481	1	
7	7	28357	31193	1	467,8	514,6	502	32614	3587
8	8	29600	32560]	488,3	537,1	524]	
9	9	30956	34051	35000	510,6	561,7	548		
10	10	31860	35045	1	525,5	578,1	564	1	
11	11	32763	36040	1	540,5	594,5	580	1	
12	12	33724	37096	1	556,3	611,9	597	1	
13	13	34740	38215		573,1	630,4	615		
14	14	35814	39395	1	590,8	649,9	634	1	
15	15			1			655	1	
16	16	37000	40700	l	610,3	671,4	677	31554	34708
17	17	1	İ	l		i	700	30517	33569



CT for WTI	Ratio	Power	Class
CT WTI	680 / 2 A	20 VA	3

	Earthing bushing for core lamination
Terminal x2	Earthing bushing for clamps

Load cycle : 38 min. at 40,7 MVA - 10 min. at 0 MVA Check the contacts of O.L.T.C. and change the cil every 300000 operation

	As Built/Tested	Recalculated Values @33kV Primary Voltage
Rated Power	37+10% MVA	34.9 +10% MVA
Rated primary voltage	35 kV	33 kV
Secondary voltage range	700-655-400V	660-617-377 V
Max secondary current	32.6+10% kA	32.6+10% kA
Impedance voltage	7.4-8.7-18.5%	7.8-9.2-19.6%
Primary/secondary connection	Star / delta open	Star / delta open
Oil weight / liters	16000kg/18300 liters	16000kg/18300 liters
Weight in service	61000 kg	61000 kg
Insulation level MV	85/190 kV	85/190 kV
Number of tap position	17	17
Type of construction	Variable Flux	Variable Flux
Tap changer type	On load tap changer	On load tap changer
	MR VRC 700Y	MR VRC 700Y