

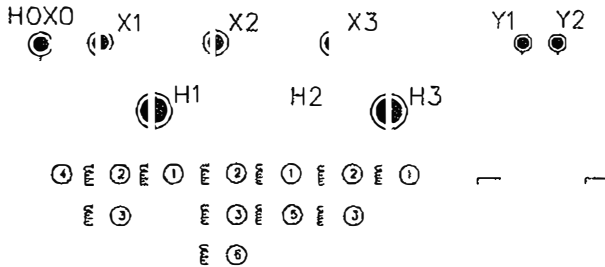
ABB

360000/360000/24000 kVA ONAN
480000/480000/32000 kVA ONAF
600000/600000/40000 kVA ODAF
HV: 230000±2x5750 V
LV: 138000 V
TERTIARY: 34500 V

THREE PHASE AUTOTRANSFORMER
CORE TYPE
ONAN/ONAF/ODAF COOLING SYSTEM
FREQUENCY 60 Hz

CONTINUOUS OPERATION
TOP OIL TEMPERATURE RISE 55K
MEAN WINDING TEMPERATURE RISE 55K
ANSI STANDARD
YEAR OF MANUFACTURE: 2017
TRANSFORMER SERIAL NUMBER

TRANSFORMER DIAGRAM

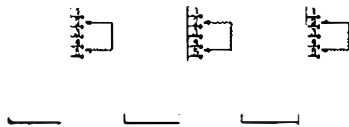


HIGH VOLTAGE		LOW VOLTAGE	TERTIARY (*)
RATED POWER 600 MVA		RATED POWER 600 MVA	RATED POWER 40 MVA
INSULATION LEVEL		INSULATION LEVEL	INSULATION LEVEL
LINE: Um 245 kV AC 70 kV LI 1050 kV SI 870 kV	NEUTRAL: Um 38 kV AC 70 kV LI 200 kV	LINE: Um 145 kV AC 70 kV LI 850 kV	LINE: Um 38 kV AC 70 kV LI 200 kV
IMPEDANCE %		BASE kVA	RATIO kV
600000		241.5	138
40000		2	1
VECTOR GROUP		218.5	138
		230	4
		138	4.5
		YN0d1	

(*) FOR STABILIZING PURPOSE. NOT DESIGNED FOR EXTERNAL LOAD

TERTIARY

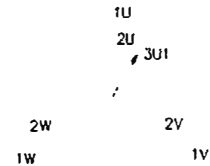
HIGH VOLTAGE



CURRENT TRANSFORMERS

- MRCT 2000/5A 50 VA 10P20
- MRCT 3000/5A 50 VA 10P20
- MRCT 3000/5A 30 VA 0.2S
- MRCT 3000/5A 50 VA 10P20
- 1585/1.39A 15 VA Close 3 (imagen térmica)
- 2510/2.2A 15 VA Close 3 (imagen térmica)

LOW VOLTAGE



CORE AND COIL ASSEMBLY kg.
TANK AND ACCESSORIES MASS kg.
MASS OF OIL kg.
CONSERVATOR OIL MASS kg.
TOTAL MASS kg.
UNTANKING MASS kg.
TRANSPORT MASS kg.

OIL TYPE: ERGON HYVOLT II
TANK, CONSERVATOR AND RADIATORS DESIGNED TO WITHSTAND FULL VACUUM

OPERATION CONDITIONS

NO LOAD REGULATION	HIGH VOLTAGE		LOW VOLTAGE		TERTIARY	
TAP POSITION	POWER (kVA)	VOLTAGE (VOLTS)	CURRENT (AMPERES)	VOLTAGE (VOLTS)	CURRENT (AMPERES)	POWER (kVA)
1	241500	241500	1434	138000	2510	1076
3	235750	235750	1469	138000	2510	1041
4	230000	230000	1506	138000	2510	1004
5	224250	224250	1545	138000	2510	965
	218500	218500	1585	138000	2510	925

CANTIDAD POR GRUPO	POS	DESCRIPCION	DIM. MATERIAL	ARTICULO	MATERIAL	PESO
4	004	ARANDELA PL.	#4			
4	003	TUERCA	M4			
4	002	TORNILLO	M4x16	EN 2121 2033-204		0.010
1	001	PLACA	450x400x2	ES 1316 1112-460	ES 1102 2333-02	2.820
	GAB	PLACA CARACT.				2.900
	DISTRIBUCION	ESCALA	DIBUJADO 4-05-15	P.C.		
	INGE.MECAN.	1:1	CALCADO			
	MONTAJE	2	UTIL	VERIF.		
	PLATAFORMA	1	VISTO			
	INGE.CALIDAD	1				
	TERMINACION	1				

12XX294309-CGD
HOJA 2 DE 2

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Origen