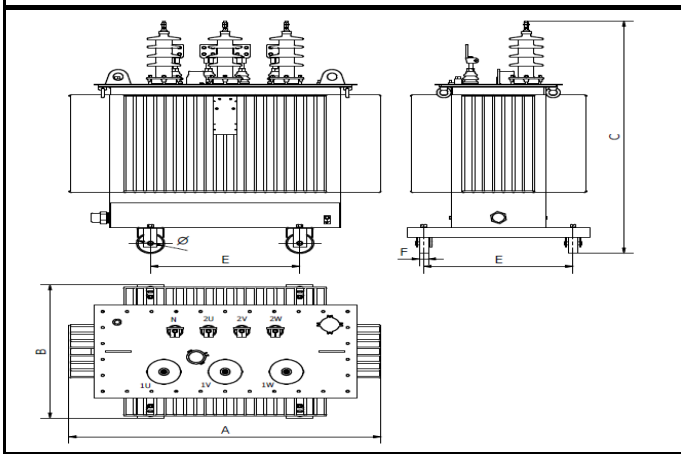


OIL IMMERSSED TRANSFORMERS
50 to 2500 kVA (AI/AI)
Insulation level ≤ 24 kV and 36 kV
EcoDesign (EU) 548/2014



REV.6 (REV.F.OT) FEB.18



Pérdidas 548/2014				
Potencia	S.24 kV		S.36kV	
	P ₀	P _K	P ₀	P _K
≤1000 kVA	Ao	Ck	Ao + 15%	Ck + 10%
≥1250 kVA	Ao	Bk	Ao + 15%	Bk + 10%

STANDARDS
In accordance with standards:
• IEC 60076-1 // • EU 548/2014

COMMON ELECTRICAL CHARACTERISTICS (*)	
Frequency	50 Hz
Vector group	Dyn5 or Dyn11
Primary voltage (at no load)	6kV (up to 1000kVA) to 36 kV
HV tapping range (off-load)	3 to 7 positions (2,5%)
Secondary voltage (at no load)	380 to 440 V (Ph-Ph) 220 to 254 V (Ph-N)
Ambient temperature (Max.)	40 °C
Altitude above sea level	≤ 1000 m
Routine test (1)	Included
Type test (2)	Optional (quotable)
Special test (3)	Optional (quotable)

ELECTRICAL CHARACTERISTICS FOR INSULATION LEVEL ≤ 24 kV (*)

Rated Power kVA	50	100	160	250	315	400	500	630	800	1000	1250	1600	2000	2500	
Rated primary voltage (dual voltage on request)	6 to 24 kV											10 to 24 kV		15 to 24 kV	
Rated insulation level	7,2 kV BIL(60/20kV); 12 kV BIL(75/28kV); 17,5 kV BIL(95/38kV) or 24 kV BIL(125/50kV)														
Losses W	no load losses	90	145	210	300	360	430	510	600	650	770	950	1200	1450	1750
	load losses at 75°C	1100	1750	2350	3250	3900	4600	5500	6500	8400	10500	11000	14000	18000	22000
Rated impedance voltage %	4	4	4	4	4	4	4	4 or 6	6	6	6	6	6	6	
No-load current 100%Vn	3,5	2,5	2,3	2	1,9	1,8	1,7	1,6	1,4	1,3	1,2	1,1	1	0,9	
Noise level dB(A)	Sound power LwA	39	41	44	47	49	50	51	52	53	55	56	58	60	63
	Sound pressure LpA (1 m)	25	27	30	33	35	36	37	38	39	41	42	43	44	47
Approximate Dimensions (mm)	A	960	970	1000	1050	1150	1200	1210	1220	1450	1500	1650	1800	2350	2500
	B	690	730	770	780	830	860	880	900	1000	1050	1080	1150	1300	1410
	C	1310	1310	1400	1450	1550	1610	1680	1710	1650	1750	1880	1900	2100	2200
	E	520	520	520	520	670	670	670	670	670	670	820	820	820	1070
	F	40	40	40	40	40	40	40	40	40	40	70	70	70	70
	Ø	125	125	125	125	125	125	125	125	125	125	200	200	200	200
	Oil weight (Kg)	155	165	200	240	290	320	350	370	480	500	730	900	1300	1600
Total weight (Kg)	590	740	920	1200	1380	1510	1750	1890	2300	2750	3450	4300	5500	7100	

ELECTRICAL CHARACTERISTICS FOR INSULATION LEVEL 36 kV (*)

Rated Power kVA	50	100	160	250	315	400	500	630	800	1000	1250	1600	2000	2500	
Rated primary voltage (dual voltage on request)	25 to 36 kV														
Rated insulation level	36 kV BIL(170/70kV)														
Losses W	no load losses	103	166	241	345	414	494	586	690	747	885	1092	1380	1667	2012
	load losses at 75°C	1210	1925	2585	3575	4290	5060	6050	7150	9240	11550	12100	15400	19800	24200
Rated impedance voltage %	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	6	6	6	6	6	6	
No-load current 100%Vn	3,8	3	2,5	2,4	2,3	2,2	2	1,8	1,6	1,5	1,4	1,3	1,2	1	
Noise level dB(A)	Sound power LwA	39	41	44	47	49	50	51	52	53	55	56	58	60	63
	Sound pressure LpA (1 m)	25	27	30	33	35	36	37	38	39	41	42	43	44	47
Approximate Dimensions (mm)	A	980	980	1000	1040	1150	1180	1200	1210	1450	1520	1650	2100	2450	2650
	B	690	720	770	790	820	850	890	900	1070	1120	1150	1300	1310	1410
	C	1370	1380	1460	1520	1600	1660	1740	1760	1680	1790	1900	1950	2150	2300
	E	520	520	520	520	670	670	670	670	670	670	820	820	820	1070
	F	40	40	40	40	40	40	40	40	40	40	70	70	70	70
	Ø	125	125	125	125	125	125	125	125	125	125	200	200	200	200
	Oil weight (Kg)	140	170	210	260	330	340	380	390	500	510	790	1050	1450	1700
Total weight (Kg)	590	710	900	1180	1370	1560	1780	1940	2410	2780	3510	4650	5850	7000	

(*) OTHERS CHARACTERISTICS: Consult IMEFY.

NOTE: Dimensions may change without prior notice.

IMEFY applies a policy of continuous development of its products and reserves the right to make changes in the specifications and technical characteristics without prior notice. The present technical data sheet has no other objective than to give information without any compromise.

For further information please contact IMEFY.