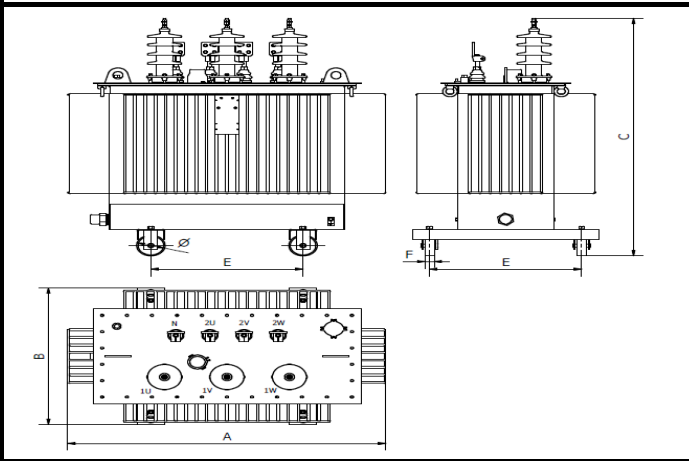


OIL IMMERSED TRANSFORMERS
50 to 2500 kVA (Al/Al)
Insulation level ≤ 24 kV and 36 kV
EcoDesign (EU) 548/2014



Rev_01_MARCH 2015



Losses 548/2014				
Power	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)	6 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														
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	1030	1090	1180	1220	1250	1290	1380	1470	1640	1690	1800	2150	2300	2450
	B	670	720	760	820	820	820	850	870	920	1030	1040	1050	1090	1410
	C	1230	1280	1360	1420	1480	1540	1620	1690	1720	1740	1900	2060	2220	2290
	E	520	520	520	670	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
	∅	125	125	125	125	125	125	125	125	125	125	200	200	200	200
		Oil weight (Kg)													
	135	160	220	250	300	340	410	480	500	510	840	1250	1480	1750	
	Total weight (Kg)														
	590	750	1060	1330	1590	1850	2200	2560	2900	3300	4150	5400	6500	8150	

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														
	100	165	240	345	410	490	585	690	745	885	1090	1380	1665	2010	
	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	1100	1120	1180	1220	1260	1300	1400	1500	1660	1700	1820	2180	2320	2460
	B	700	730	760	820	820	820	850	870	920	1040	1060	1080	1100	1410
	C	1280	1330	1410	1470	1530	1590	1680	1740	1780	1800	1960	2120	2280	2310
	E	520	520	520	670	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
	∅	125	125	125	125	125	125	125	125	125	125	200	200	200	200
		Oil weight (Kg)													
	160	180	220	260	320	370	430	490	500	510	860	1270	1530	1680	
	Total weight (Kg)														
	620	790	1050	1300	1510	1720	2050	2350	2700	3000	3800	4900	5900	7400	

(*) 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.