



world of transformers

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EcoFriendly

ACCORDING TO EU548-14 (TIER 2)

EU548-14 Tier2 12kV AL 50Hz

Power	P0	Pk 120°C	%	(dB)	kVA	%	A	B	C	Encl.	Weight
kVA	W	W	Short circuit impedance	LpA/Lwa	Max Efficiency Power	Efficiency	mm	mm	mm	Type	kg
100	252	1800	6	41/51	37	98,67%	1170	600	1200	1	770
160	360	2600	6	44/54	60	98,81%	1170	600	1290	1	860
250	468	3400	6	46/57	93	99,00%	1250	600	1425	2	1200
400	675	4500	6	49/60	155	99,14%	1350	800	1500	2	1500
630	990	7100	6	50/62	235	99,17%	1410	850	1630	2	1800
800	1170	8000	6	51/64	306	99,24%	1440	870	1850	2	2250
1000	1395	9000	6	52/65	394	99,30%	1580	1000	1875	3	2750
1250	1620	11000	6	54/67	480	99,33%	1570	1000	2170	3	3300
1600	1980	13000	6	54/68	624	99,37%	1640	1000	2180	3	3800
2000	2340	16000	6	56/70	765	99,39%	1790	1310	2300	3	4450
2500	2790	19000	6	57/71	958	99,42%	1840	1310	2490	5	5500
3150	3420	22000	6	62/74	1242	99,45%	2110	1310	2530	5	7100

EU548-14 Tier2 24kV AL 50Hz

Power	P0	Pk 120°C	%	(dB)	kVA	%	A	B	C	Encl.	Weight
kVA	W	W	Short circuit impedance	LpA/Lwa	Max Efficiency Power	Efficiency	mm	mm	mm	Type	kg
100	252	1800	6	40/51	37	98,67%	1320	730	1330	1	1100
160	360	2600	6	43/54	60	98,81%	1320	760	1380	1	1150
250	468	3400	6	45/57	93	99,00%	1370	600	1540	2	1500
400	675	4500	6	48/60	155	99,14%	1440	830	1560	2	1800
500	810	5630	6	48/60	190	99,15%	1490	750	1605	2	1850
630	990	7100	6	50/62	235	99,17%	1500	850	1680	2	2200
800	1170	8000	6	51/64	306	99,24%	1560	850	1880	3	2650
1000	1395	9000	6	52/65	394	99,30%	1660	1000	1960	3	3150
1250	1620	11000	6	53/67	480	99,33%	1690	1000	2210	3	3700
1600	1980	13000	6	54/68	624	99,37%	1770	1000	2250	4	4250
2000	2340	16000	6	56/70	765	99,39%	1860	1310	2340	4	4950
2500	2790	19000	6	56/71	958	99,42%	1920	1310	2600	5	5800
3150	3420	22000	6	59/74	1242	99,45%	2100	1310	2580	5	7200

EU548-14 Tier2 17,5kV AL 50Hz

Power	P0	Pk 120°C	%	(dB)	kVA	%	A	B	C	Encl.	Weight
kVA	W	W	Short circuit impedance	LpA/Lwa	Max Efficiency Power	Efficiency	mm	mm	mm	Type	kg
100	252	1800	6	40/51	37	98,67%	1310	600	1310	1	1050
160	360	2600	6	44/54	60	98,81%	1330	600	1315	1	1100
250	468	3400	6	45/57	93	99,00%	1360	600	1540	2	1450
400	675	4500	6	49/60	155	99,14%	1490	750	1535	2	1850
500	810	5630	6	49/60	190	99,15%	1490	750	1605	2	1850
630	990	7100	6	50/62	235	99,17%	1490	850	1580	2	2200
800	1170	8000	6	51/64	306	99,24%	1570	850	1890	3	2650
1000	1395	9000	6	51/65	394	99,30%	1670	1000	1980	3	3200
1250	1620	11000	6	54/67	480	99,33%	1710	1000	2195	3	3650
1600	1980	13000	6	54/68	624	99,37%	1770	1000	2260	3	4250
2000	2340	16000	6	56/70	765	99,39%	1860	1310	2370	4	4950
2500	2790	19000	6	56/71	958	99,42%	1910	1310	2550	5	5800
3150	3420	22000	6	59/74	1242	99,45%	2100	1310	2605	5	7200

EU548-14 Tier2 36kV AL 50Hz

Power	P0	Pk 120°C	%	(dB)	kVA	%	A	B	C	Encl.	Weight
kVA	W	W	Short circuit impedance	LpA/Lwa	Max Efficiency Power	Efficiency	mm	mm	mm	Type	kg
400	775	4950	6,5	47/61	158	99,03%	1760	750	1775	5	2600
630	1138	7810	6,5	49/63	240	99,06%	1770	850	2035	5	3100
800	1345	8800	6,5	53/64	313	99,15%	1940	850	2085	7	3850
1000	1604	9900	6,5	51/65	403	99,21%	1950	1000	2105	7	4100
1250	1863	12100	6,5	53/67	490	99,25%	1970	1000	2380	7	4900
1600	2277	14300	6,5	54/68	638	99,29%	2060	1000	2415	7	5500
2000	2691	17600	6,5	55/72	782	99,32%	2140	1310	2480	8	6300
2500	3209	20900	6,5	56/73	980	99,35%	2250	1310	2720	9	7600
3150	3933	24200	6,5	59/76	1270	99,38%	2400	1310	2770	10	9500

Dimensions and weights are preliminary. We reserve the right to make changes to the above data

Enclosures

INSULATION
CLASS
12-17.5-24kV



IP 21 - 31 - 23 RAL 7035

- Primary voltage tapplings, no load $\pm 2,5\%$
- Bi-directional wheels
- Lifting lugs and pulling eyes
- Earthing terminals
- Pt100 sensors wired to a terminal block
- Rating plate
- Set of fans for air forced cooling: optional
- Temperature monitoring device: optional

- Frequency 50Hz (60Hz upon request)
- Primary Cast, secondary impregnated or VPI
- Insulation system temperature: 155 °C (Class F) and 180 °C (Class H)
- Ambient -25°C to 40°C (other upon request and de-rating above 40°C)
- **E4 - C3 - F1 Environmental / Climatic / Fire Classes**
- **C5 Climatic Class upon request**
- Altitude up to 1000 meters (above 1000 meters upon request)
- Cooling air natural (air forced cooling system upon request)
- Voltage terminals suitable for aluminium or copper

LVT

MVT

Pic. 1 Pic. 2 Pic. 3 Pic. 4

[illegible]