

# CAST RESIN TRANSFORMERS



## TECHNICAL SPECIFICATIONS

- Cast resin transformers up to 3150kVA and 33kV in Class F or Class H (180) system
- Enclosures from IP00 to IP68
- Cooling AN up to AF
- Ambient -25°C to 40°C (other upon request and de-rating above 40°C)
- E4 - C3 - F1 Environmental / Climatic / Fire Classes (CESI n. C1008122) C5 Climatic Class (OMECO n. SAC/0649/20)
- Pt100 sensors wired to a terminal block
- Digital temperature device to monitor temperature in windings
- Designed, manufactured and tested to IEC60076 part II

## APPLICATIONS

For critical infrastructure where reliability is paramount. Cast resin transformers are the ultimate in fire safety.

- shopping centres
- airports
- railways stations
- public and civil buildings
- schools
- hospital
- data centres



**ETEL**

 **TMC**  
world of transformers

# COBK-AL-50Hz – TECHNICAL CHARACTERISTICS AND DIMENSIONS

## EN50541-1 12kV 50Hz

## EN50541-1 24kV 50Hz

POWER kVA	PO W	Pk120°C W	IO %	(dB) LpA/ LwA	A mm	B mm	C mm	ENCL Type	WEIGHT Kg
100	440	2000	2,2	47/59	1090	600	1060	1	550
160	640	2700	1,9	50/62	1160	600	1210	1	740
250	820	3500	1,5	53/65	1210	600	1320	1	930
400	1150	4900	1,3	55/68	1360	750	1460	1	1300
630	1500	7300	1,2	56/70	1430	850	1360	2	1800
800	1800	9000	1,1	57/71	1510	850	1800	2	2100
1000	2100	10000	1	59/73	1600	1000	1860	2	2500
1250	2500	12000	1	61/75	1660	1000	1980	3	2900
1600	2800	14500	0,9	61/76	1720	1000	2120	3	4150
2000	3600	18000	0,9	63/78	1780	1310	2370	4	4850
2500	4300	21000	0,8	65/81	1930	1310	2420	4	5900
3150	5300	26000	0,7	67/83	2070	1310	2510	4	6700

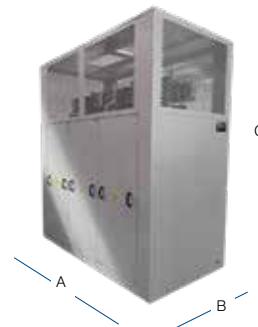
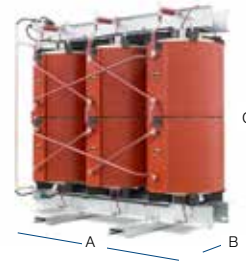
POWER kVA	PO W	Pk120°C W	IO %	(dB) LpA/ LwA	A mm	B mm	C mm	ENCL Type	WEIGHT Kg
100	460	2050	2,2	47/59	1150	600	1200	1	630
160	650	2900	1,9	50/62	1250	600	1280	1	840
250	880	3800	1,5	53/65	1330	600	1440	1	1100
400	1200	5500	1,3	55/68	1460	750	1580	2	1450
630	1650	7600	1,2	56/70	1520	850	1690	2	1900
800	2000	9400	1,1	57/71	1580	850	1790	2	2250
1000	2300	11000	1	59/73	1660	1000	1910	3	2600
1250	2800	13000	1	61/75	1730	1000	2030	3	3150
1600	3100	16000	0,9	61/76	1790	1000	2150	3	3700
2000	4000	18000	0,9	63/78	1820	1310	2420	4	4500
2500	5000	23000	0,8	65/81	2060	1310	2460	4	5500
3150	6000	28000	0,7	67/83	2170	1310	2570	5	6800

## ENCLOSURES

TYPE	A mm	B mm	C mm	WEIGHT Kg
1	1850	1180	1580	160
2	2050	1230	1980	210
3	2300	1330	2520	270
4	2500	1390	2660	300
5	2750	1480	2960	360
6	2400	1480	1930	250
7	2600	1530	2260	300
8	2850	1630	2550	340
9	3000	1680	2850	400
10	3300	1780	3400	480

INSULATION  
CLASS  
12-17.5-24kV

INSULATION  
CLASS  
36kV



## ETEL AND TMC TRANSFORMERS

ETEL have partnered with TMC Transformers for the supply of customised solutions for cast resin transformers. TMC Transformers manufacture distribution transformers both with standard and reduced losses to get high-efficient dry type transformers. Their products are designed and manufactured to offer long term reliability, minimum maintenance and to respect all relevant standards.



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