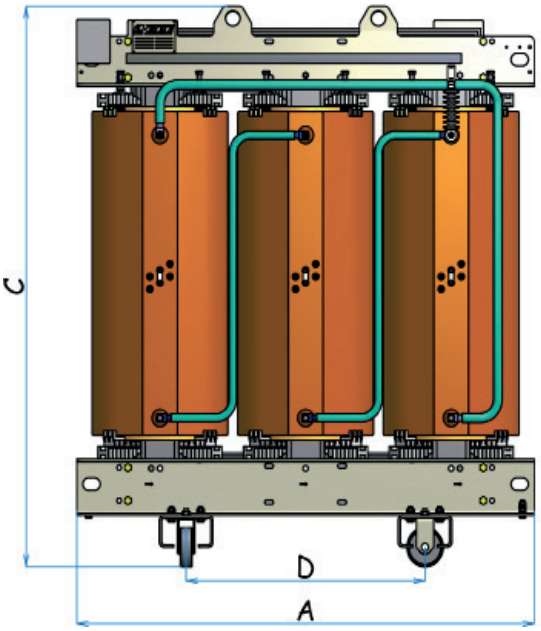
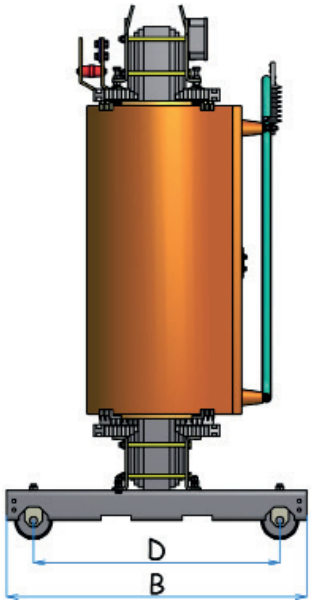
UNITRAFO

Cast Resin Transformers
EP Ecodesign Tier 2 Plus
Voltage Class 24 kV

Standards	IEC 60076 - EN 50588 - EU 548/2014
Insulating Class (Temperature Rise)	F (100 K)
Insulation Class MV	24 kV FI 50 kV BIL 125 kV
Insulation Class LV	1,1 kV FI 3 kV
Frequency	50 Hz
Tappings MV	± 2 x 2,5%
Tolerance	IEC tolerance





Power kVA	Uk * %	P_o* W	P_k* W	I_o %	LwA dB(A)	LpA dB(A)	A mm	B mm	C mm	D mm	Wheel mm	Weight Kg
100	6	185	1330	0,46	50	38	1250	670	1175	520	125	920
160	6	265	1920	0,44	53	40	1250	670	1285	520	125	1110
200	6	300	2180	0,35	56	43	1330	670	1320	520	125	1310
250	6	345	2510	0,32	56	43	1330	670	1400	520	125	1550
315	6	410	2860	0,34	58	45	1360	820	1500	670	125	1750
400	6	500	3320	0,33	60	47	1410	820	1500	670	125	1960
500	6	600	4140	0,31	60	47	1410	820	1550	670	125	2030
630	6	730	5230	0,31	62	48	1570	820	1580	670	125	2240
800	6	865	5890	0,29	63	49	1570	1000	1680	820	125	2740
1000	6	1030	6630	0,27	64	50	1680	1000	1950	820	125	3440
1250	6	1195	8100	0,24	66	51	1860	1050	2050	820	160	4280
1600	6	1460	9570	0,26	67	52	1860	1050	2300	820	160	5310
2000	6	1725	11780	0,23	69	54	2100	1300	2425	1070	200	6750
2500	6	2055	14860	0,20	70	55	2160	1300	2455	1070	200	8060

* Data referred to 120°C at rated voltage
Po = Non load losses | Pk = Load losses | Ptot (Po+Pk) = Total losses

N.B. Dimensions and weights are preliminary and will be confirmed upon order

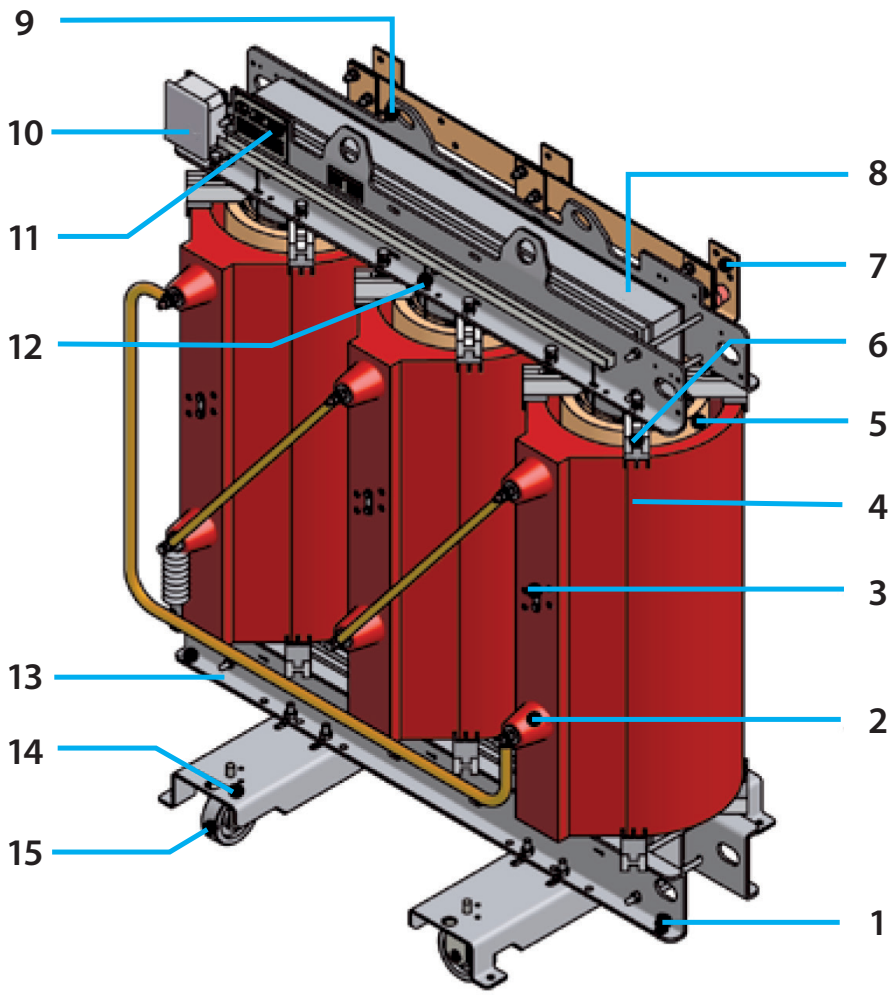
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Standard equipment

- Terminal board for voltage regulation of ± 2x2,5% (Disconnected transformer)
- High Voltage output insulator
- HV connections with n.3 brass details M12
- LV connections plate in aluminum
- Earthing link
- Thermometer with 2 changeover contacts, type JUMO
- Lugs/eyebolts for lifting or horizontal movement
- Trucks (2 pcs) with orthogonal swivelling revolving wheels (4 pcs)
- Ratingplates in accordance with IEC 60076 (2 pcs, whereof one is delivered unmounted)
- Standard testing, including relevant test certificate
- Documentation as digital files

CAST RESIN TRANSFORMER – PRINCIPLE SKETCH

1 Earthing Terminal
2 Medium Voltage Output Insulator
3 Medium Voltage Tapping
4 Medium Voltage Windings
5 Low Voltage Windings
6 Windings Pressure Plugs
7 Low Voltage Output Bars
8 Magnetic Core
9 Lifting Eyebolts
10 Centralization Auxiliary Box
11 Data Plate
12 Thermal Sensors
13 Core Frame
14 Eyebolts for Horizontal Movement
15 Orthogonal Revolving Wheels



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Options

As an alternative option we can adapt our transformers for your specific needs. For instance we can offer you transformers with extra low losses, windings in copper for special applications, alternative temperature risings and calsses, double primary- or secondery current, alternative frequenses, low fitted bushings and vector groups as desired. Below you can see some of the options we offer.

TEMPERATURE SUPERVISION

ITEM NO.	DESCRIPTION	ITEM NO.	DESCRIPTION
2	Digitalt thermo instrument with 3 contacts for PT100, T154 Tecsystem	7	PT-100-sensor, 3 pcs incl. mounting
3	Temperature relay for PTC-termistors, T119 Tecsystem	10	Thermometer with 2 changeover contacts, type JUMO
4	Digitalt thermo instrument for PT100 with analogue output 4-20 mA or seriel 485-connection or modbus, NT935 Tecsystem	10-P	Temperature transmitter incl. program display, with analouge output 4-20 mA for PT100-sensor

ADDITIONAL ACCESSORIES

ITEM NO.	DESCRIPTION	ITEM NO.	DESCRIPTION
33	Complete fan cooling for forced cooling (power increase +30%) including digitalt temperature instrument T154 and protective relay for fan engines VRT200 (pos 2+36.2). Up to 3150 kVA	42	Electrostatic screen between primary and secondary voltage, max 1,1 kV
36.2	Protective relay for fan engine VRT200 for panel mounting. (N.B. included in the package above)	43	Housing protection - plexiglass
38	Antivibration pads, set of 4 pcs/ transformer	43.1	Plexiglass protection for terminal boards
40	Earthing bolts for HV- or LV-side (Ø 25 mm)	44	Cupal plates
40 A	Earthing link, type Pfisterer (earthing link, control rod och hanger) for work earthing at HV-side with max allowed short circuit current for one second	58	Low placed secondary voltage connectors
40 B	Earthing switch, type ABB, EB12/24, HV-side. Complete with help contact, locking solenoid, hand lever and front		

TYPPROVER*

ITEM NO.	DESCRIPTION	ITEM NO.	DESCRIPTION
	Shock test (up to 6300 kVA)		Heat test
	Sound test		Participation in test at the factory

*** Standard testing according to IEC 60076, is always included.**