

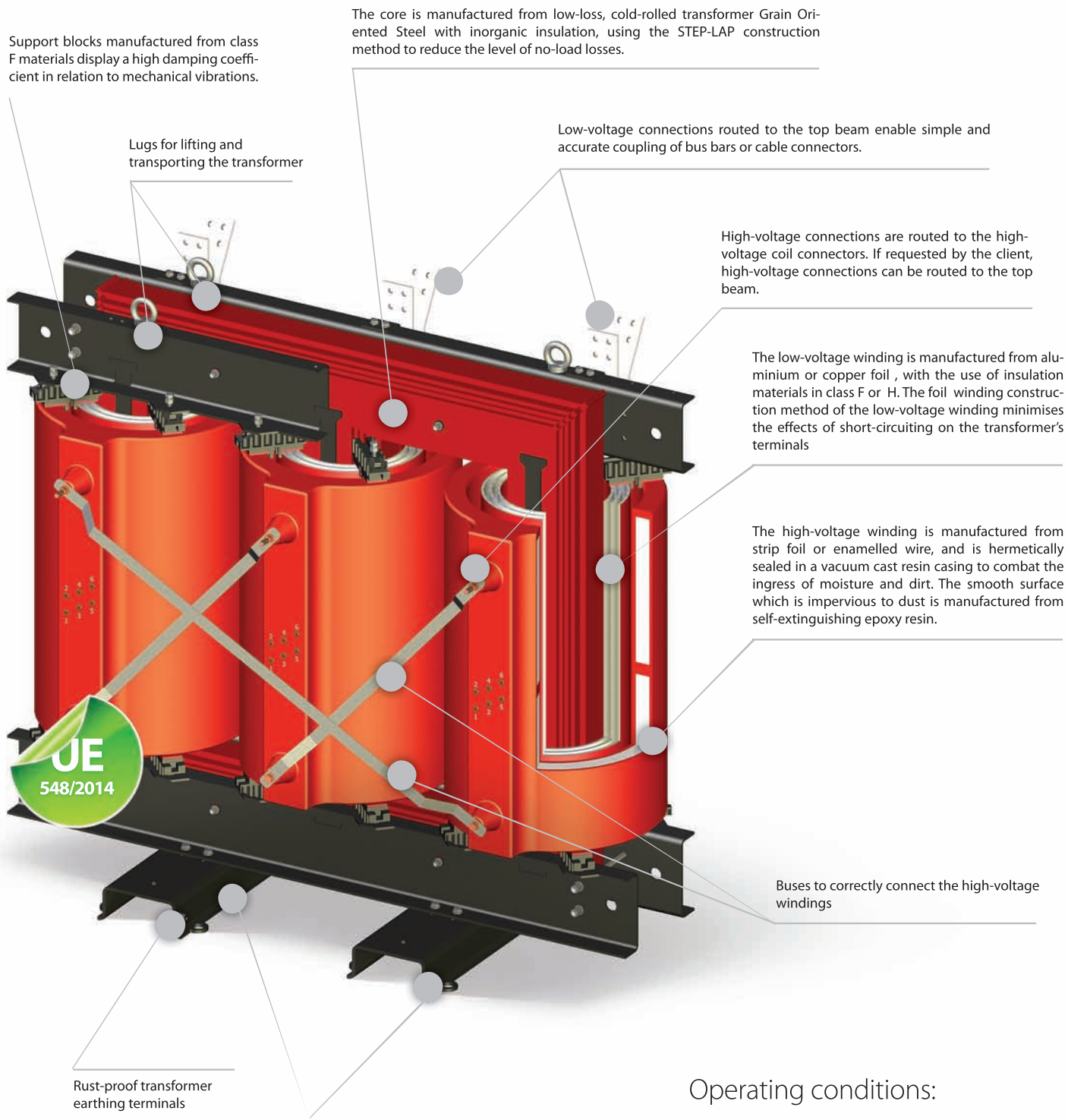


CAST-RESIN TRANSFORMERS
IN VACUUM TECHNOLOGY



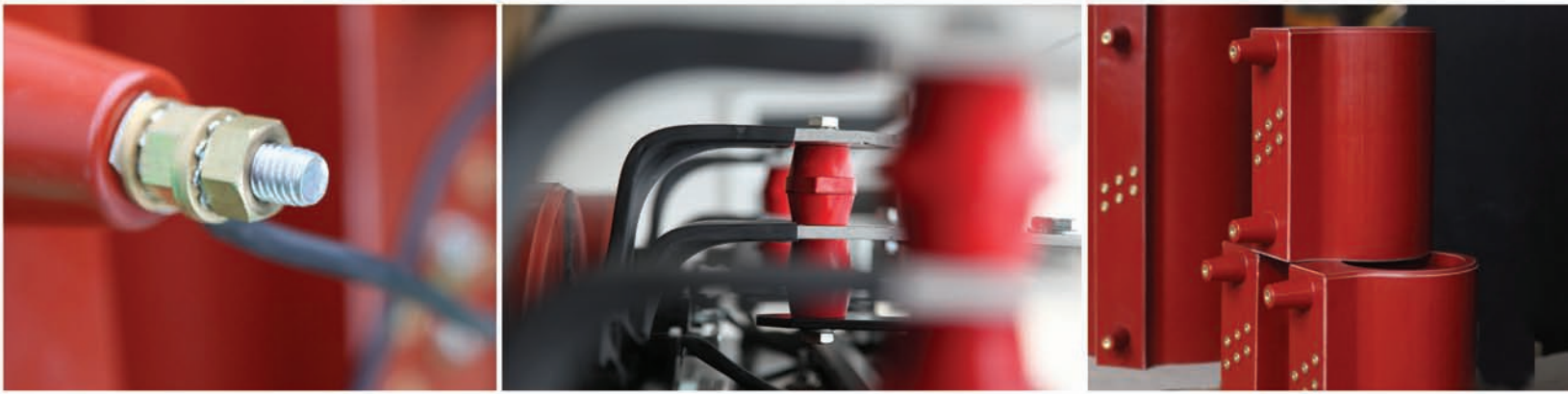
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TTV, TTVA and TSZ cast-resin transformers in a vacuum version are used in electric power systems as standard distribution transformers. The dry-type version allows their use in industrial, commercial and catering facilities, public buildings and many other indoor applications. We offer transformers with the following ratings: 40 - 3150 kVA.



Operating conditions:

Maximum working altitude	1000 m above sea level or other according to arrangements
Ambient temperature range	- 25 to + 40 °C or other according to requirements
Rated frequency	50 or 60 Hz



Technical parameters:

Type	HV Voltage (V)	LV Voltage (V)	Circuit Voltage (%)	Wiring diagram	No load loss (W)	Load loss (W)	Total weight (kg)	Dimension [mm]			
								a	b	c	d
TTVA 250/6NA	6300	400	6	Dyn5	520	3800	1000	1290	660	1200	520
TTVA 400/6NA	6300	400	6	Dyn5	750	5500	1280	1380	810	1400	670
TTVA 630/6NA	6300	400	6	Dyn5	1100	7600	1990	1580	810	1530	670
TTVA 800/6NA	6300	400	6	Dyn5	1300	8000	1820	1500	810	1510	670
TTVA 1000/6NA	6300	400	6	Dyn5	1550	9000	2270	1520	960	1720	820
TTVA 1250/6NA	6300	400	6	Dyn5	1800	11000	2660	1660	960	1780	820
TTVA 1600/6NA	6300	400	6	Dyn5	2200	13000	3500	1760	960	2040	820
TTVA 2000/6NA	6300	400	6	Dyn5	2600	16000	4275	1910	960	2070	820
TTVA 2500/6NA	6300	400	6	Dyn5	3100	19000	4555	1930	1300	2150	1070
TTVA 250/15NA	15750	400	6	Dyn5	520	3800	1130	1400	660	1220	520
TTVA 400/15NA	15750	400	6	Dyn5	750	5500	1445	1460	810	1450	670
TTVA 630/15NA	15750	400	6	Dyn5	1100	7600	1930	1580	810	1540	670
TTVA 800/15NA	15750	400	6	Dyn5	1300	8000	2330	1640	810	1670	670
TTVA 1000/15NA	15750	400	6	Dyn5	1550	9000	2610	1700	960	1800	820
TTVA 1250/15NA	15750	400	6	Dyn5	1800	11000	3354	1730	960	2100	820
TTVA 1600/15NA	15750	400	6	Dyn5	2200	13000	3920	1850	960	2110	820
TTVA 2000/15NA	15750	400	6	Dyn5	2600	16000	4710	2000	960	2090	820
TTVA 2500/15NA	15750	400	6	Dyn5	3100	19000	5295	2040	1300	2370	1070
TTVA 250/20NA	21000	400	6	Dyn5	520	3800	1456	1510	660	1370	520
TTVA 400/20NA	21000	400	6	Dyn5	750	5500	1700	1540	810	1570	670
TTVA 630/20NA	21000	400	6	Dyn5	1100	7600	2115	1670	810	1600	670
TTVA 800/20NA	21000	400	6	Dyn5	1300	8000	2690	1790	810	1690	670
TTVA 1000/20NA	21000	400	6	Dyn5	1550	9000	3150	1810	960	1890	820
TTVA 1250/20NA	21000	400	6	Dyn5	1800	11000	3520	1810	960	2100	820
TTVA 1600/20NA	21000	400	6	Dyn5	2200	13000	4435	1980	960	2190	820
TTVA 2000/20NA	21000	400	6	Dyn5	2600	16000	5530	2150	960	2200	820
TTVA 2500/20NA	21000	400	6	Dyn5	3100	19000	5660	2100	1300	2530	1070

* a -depth, b- width, c- height, d- wheelbase

Cast-resin transformers produced by Trafta Sp. z o.o. meet requirements of Commission Regulation (EU) No 548/2014 of 21 May 2014 on implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to small, medium and large power transformers.



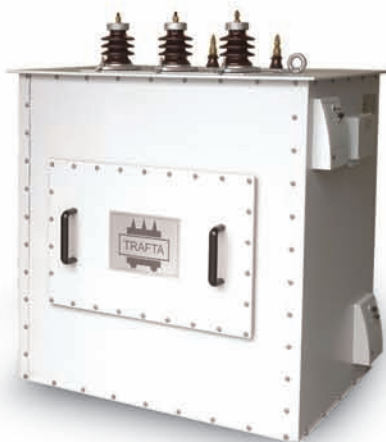
Cast-resin transformers could be install inside a metal or aluminum enclosures, tailored to customer requirements of IP (Ingress Protection Rating). Enclosures are corrosion protected - powder coated in colour agreed with customer. Enclosure ensure basic protection against dirt and electric shock.

Transformers can be equipped with safety device such us: thermal safety device, arc fault protection or other in depend with customer requirements. Some of them can be installed on the enclosures. It can help with proper and safe utilisation.



Cable connections are usually situated on the bottom of enclosures. According to customers' requirements, connections can be realised by porcelain bushing, air bushing or busbars situated on the walls or top of enclosures.

Transformers in enclosures do not require specially constructed premises – this solution can reduce cost of investment.



Technical parameters:

Transformers type	Enclosure Dimensions (mm)			Weight kg
	Depth	Width	Height	
TTVA 250/6NA	1450	820	1500	120
TTVA 400/6NA	1540	970	1700	150
TTVA 630/6NA	1740	970	1800	170
TTVA 800/6NA	1660	970	1800	165
TTVA 1000/6NA	1680	1120	2020	195
TTVA 1250/6NA	1820	1120	2080	210
TTVA 1600/6NA	1920	1120	2340	240
TTVA 2000/6NA	2070	1120	2370	255
TTVA 2500/6NA	2090	1460	2450	310
TTVA 250/15NA	1700	960	1550	150
TTVA 400/15NA	1740	1110	1750	180
TTVA 630/15NA	1880	1110	1850	195
TTVA 800/15NA	1940	1110	2000	215
TTVA 1000/15NA	2000	1260	2100	240
TTVA 1250/15NA	2030	1260	2400	270
TTVA 1600/15NA	2150	1260	2450	290
TTVA 2000/15NA	2300	1260	2450	310
TTVA 2500/15NA	2340	1600	2700	370
TTVA 250/20NA	1860	1050	1850	195
TTVA 400/20NA	1900	1220	1870	215
TTVA 630/20NA	2020	1220	1900	225
TTVA 800/20NA	2150	1220	2000	245
TTVA 1000/20NA	2150	1360	2200	280
TTVA 1250/20NA	2150	1360	2400	300
TTVA 1600/20NA	2350	1360	2500	330
TTVA 2000/20NA	2500	1360	2500	345
TTVA 2500/20NA	2500	1680	2800	400





We design and produce
special transformers and reactors
tailored to customer requirements.

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