

Technical specification Transformer

SGB Czech Trafo s.r.o.

Type: DTTHZ2N

	HV	LV
Technical Data	Rated Capacity AN	500 kVA
	Voltage	11000 V
	Vector group	D
	Tappings	+2x2,5%
	Tappings	-2x2,5%
	Winding material	Al
	Insulation class	F
	Type of insulation	Casted
	Relations impedance (Uk)	HV – LV
	Impedance voltage Uk	6 %
	Tolerance	+/- 10 %
Test level	Average temperature rise	100 K
	Highest voltage of equipment (Um)	12 kV
	Alternating voltage	28 kV
	BIL	75 kV
Losses	No load losses	810 W
	Load losses at 120°C	5630 W
Technical Data II	Design by norm	IEC 60076-11:2018
	Number of phases	3
	Frequency	50 Hz
	LWA/LPA from 1 m	59 / 46 dB(A)
	Protection degree Transformer	IP00
	Hardly flammable self-extinguishing	Yes
	Surge voltage - / short circuit proofed	Yes
	Short circuit duration	2 s
	Fire-/Climatic-/ Environment class	F1/C2/E2
	Ambient temperature min/max	-25/40°C
	Max. Installation altitude	1000 m
		Short-circuit power 500 MVA

Dimensions

Transformer

Weight: 1700 kg

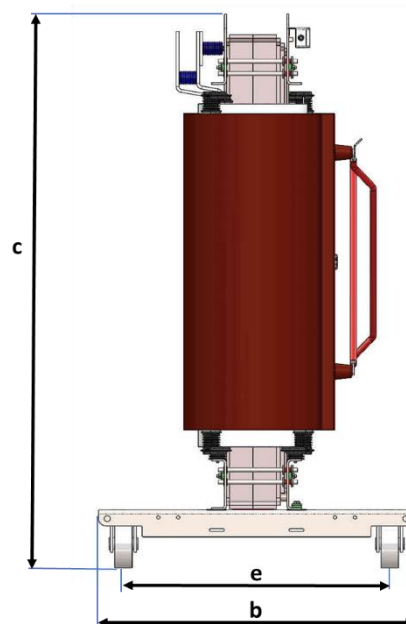
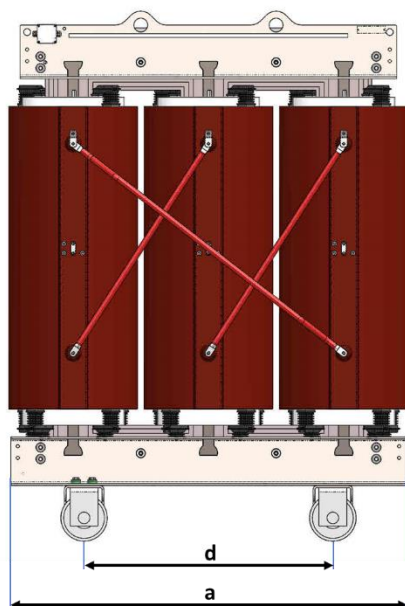
a 1320 mm

b 850 mm

c 1550 mm

d 670 mm

e 670 mm



Included tests

Routine testing IEC 60076-11:2018 each transformer:

Winding resistance

Voltage ratio and phase displacement

Impedance of the load and losses

No load losses and no-load current

Separate Source AC withstand voltage test

Induced AC withstand voltage test

Insulation resistance

Partial discharge test

Included accessories