GREEN TRAFO PRODUCTS
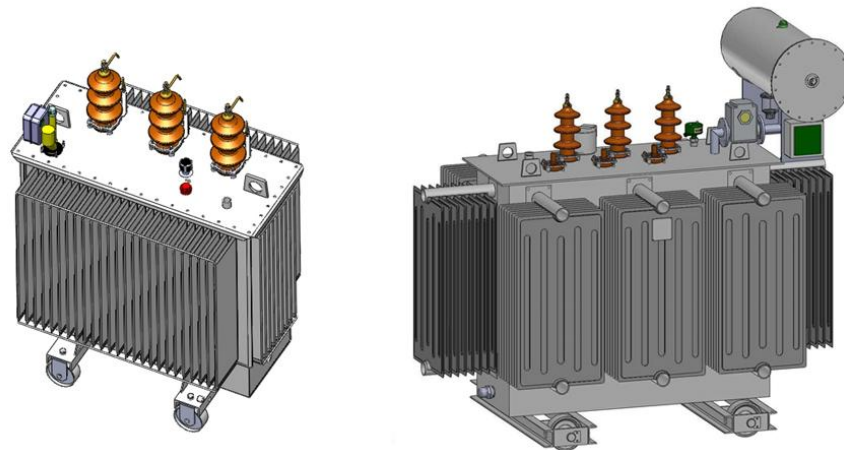
SSHR – STANDARD THREE PHASE SHUNT REACTOR

Standard Shunt Reactor is globally defined by IEC 60076-6 standard.

It is used for compensation of capacitive energy of network and has no connection between neutral point and ground.

Its function is power factor correction in power lines.

Chooses of different current compensation values are possible.

All technical characteristics can be adjusted to the particular customer's needs.

Technical characteristics:

Adjustable power compensation: **3:1**
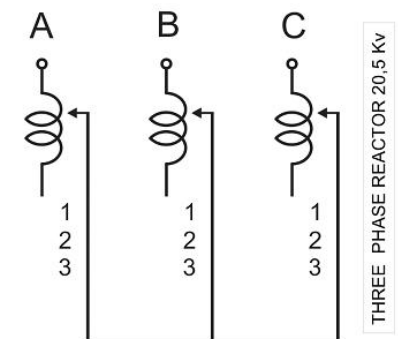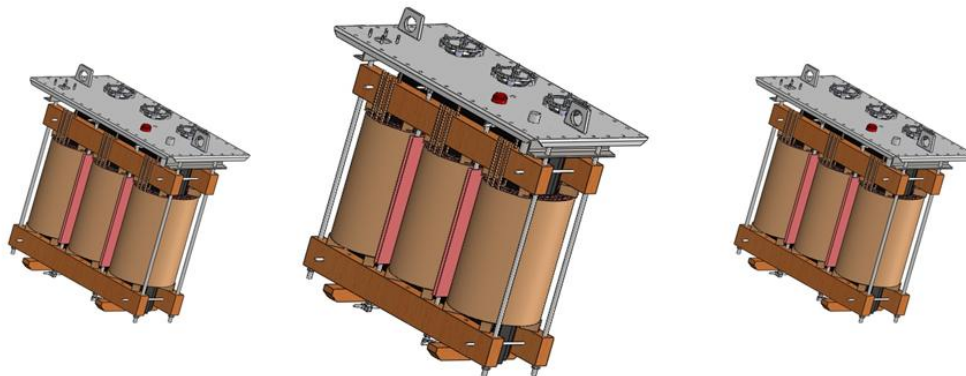
Rated reactive power (kVAr): **up to 3000**

Rated voltage (kV): **10; 20; 20,5**

Highest voltage level of equipment (kV): **12; 24**

Terminations:

      a) Open type bushings (**standard solution**)

      b) Plug- in type bushings (**optional solution**)

Accordance with: **EN 50180, EN 50386, EN 5038**

THREE PHASE REACTOR 20,5 Kv

TECHNICAL DATA

	TYPE		SSHR 400-20	SSHR 600-20	SSHR 800-20,5	SSHR 3000-20,5
1	Reactor type		Oil-immersed			
2	Reactor kind		Shunt reactor, for compensation			
3	Standard		IEC 60076-6			
4	Rated insulating level		LI 125 AC50			
5	Highest voltage level of the	[kV]	24			
6	Thermal class of insulation		A			
7	Number of phases		3			
8	Winding Connection	[-]	Y			
9	Rated regulation (no-load)	[%]	100% / 90% / 80% (with tap changer)			100%/66% (with double bushing)
10	Rated power	[kVAr]	400/360/320	600/540/480	800/720/640	3000(2000)
11	Rated voltage	[kV]	20			20.5
12	Current	[A]	11.55/10.39/9.24	17.32/15.59/13.86	23,09/20,78/18,48	84.5/56.3
13	Impedance per phase	[Ω]	1000/1111/1250	667/741/833	500/556/625	140/210
14	MAX Total losses at 75 °C	[W]	3860	5480	5950	19000
15	No-load losses	[W]	560/520/475	730/650/575	950/875/775	3000/15000
16	Load loses at 75 °C	[W]	3300/2900/2500	4750/4250/3650	5000/4750/4259	16000/10000
17	Max. Temp. rise of winding	[K]	65			
18	Max. Temp. rise of oil	[K]	60			
19	Cooling		ONAN			
20	Lowest operating temp.	[°C]	- 40			
21	Approx. dimensions max. a) length b) width c) height	[mm] [mm] [mm]	1109 750 1459	1180 840 1489	1200 840 1610	2380 1390 2256
22	Approx. mass of oil	[kg]	230	300	350	900
23	Approx. total mass	[kg]	1100	1400	1700	4900